

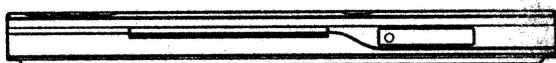


DVD VIDEO PLAYER SERVICE MANUAL

MODEL : DZ9500(DZ9500CE2D)

CAUTION

BEFORE SERVICING THE UNIT, READ THE "SAFETY PRECAUTIONS"
IN THIS MANUAL



SECTION 1

SUMMARY

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PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS

CAUTION : DO NOT ATTEMPT TO MODIFY THIS PRODUCT IN ANY WAY. NEVER PERFORM CUSTOMIZED INSTALLATIONS WITHOUT MANUFACTURER'S APPROVAL. UNAUTHORIZED MODIFICATIONS WILL NOT ONLY VOID THE WARRANTY, BUT MAY LEAD TO YOUR BEING LIABLE FOR ANY RESULTING PROPERTY DAMAGE OR USER INJURY.

SERVICE WORK SHOULD BE PERFORMED ONLY AFTER YOU ARE THOROUGHLY FAMILIAR WITH ALL OF THE FOLLOWING SAFETY CHECKS AND SERVICING GUIDELINES. TO DO OTHERWISE INCREASES THE RISK OF POTENTIAL HAZARDS AND INJURY TO THE USER.

WHILE SERVICING, USE AN ISOLATION TRANSFORMER FOR PROTECTION FROM A.C. LINE SHOCK.

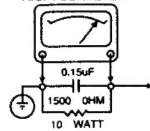
SAFETY CHECKS

AFTER THE ORIGINAL SERVICE PROBLEM HAS BEEN CORRECTED, A CHECK SHOULD BE MADE OF THE FOLLOWING.

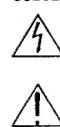
SUBJECT : FIRE & SHOCK HAZARD

1. BE SURE THAT ALL COMPONENTS ARE POSITIONED IN SUCH A WAY AS TO AVOID POSSIBILITY OF ADJACENT COMPONENT SHORTS. THIS IS ESPECIALLY IMPORTANT ON THOSE MODULES WHICH ARE TRANSPORTED TO AND FROM THE REPAIR SHOP.
2. NEVER RELEASE A REPAIR UNLESS ALL PROTECTIVE DEVICES SUCH AS INSULATORS, BARRIERS, COVERS, SHIELDS, STRAIN RELIEFS, POWER SUPPLY CORDS, AND OTHER HARDWARE HAVE BEEN REINSTALLED PER ORIGINAL DESIGN. BE SURE THAT THE SAFETY PURPOSE OF THE POLARIZED LINE PLUG HAS NOT BEEN DEFEATED.
3. SOLDERING MUST BE INSPECTED TO DISCOVER POSSIBLE COLD SOLDER JOINTS, SOLDER SPLASHES OR SHARP SOLDER POINTS. BE CERTAIN TO REMOVE ALL LOOSE FOREIGN PARTICLES.
4. CHECK FOR PHYSICAL EVIDENCE OF DAMAGE OR DETERIORATION TO PARTS AND COMPONENTS. FOR FRAYED LEADS, DAMAGED INSULATION (INCLUDING A.C. CORD) AND REPLACE IF NECESSARY FOLLOWING ORIGINAL LAYOUT, LEAD LENGTH AND DRESS.
5. NO LEAD OR COMPONENT SHOULD TOUCH A RECEIVING TUBE OR A RESISTOR RATED AT 1 WATT OR MORE. LEAD TENSION AROUND PROTRUDING METAL SURFACES MUST BE AVOIDED.
6. ALL CRITICAL COMPONENTS SUCH AS FUSES, FLAMEPROOF RESISTORS, CAPACITORS, ETC. MUST BE REPLACED WITH EXACT FACTORY TYPES. DO NOT USE REPLACEMENT COMPONENTS OTHER THAN THOSE SPECIFIED OR MAKE UNRECOMMENDED CIRCUIT MODIFICATIONS.
7. AFTER RE-ASSEMBLY OF THE SET ALWAYS PERFORM AN A.C. LEAKAGE TEST ON ALL EXPOSED METALLIC PARTS OF THE CABINET (THE CHANNEL SELECTOR KNOB, ANTENNA TERMINALS, HANDLE AND SCREWS) TO BE SURE THE SET IS SAFE TO OPERATE WITHOUT DANGER OF ELECTRICAL SHOCK. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST. USE AN A.C. VOLT-METER, HAVING 5000 OHMS PER VOLT OR MORE SENSITIVITY, IN THE FOLLOWING MANNER: CONNECT A 1500 OHM 10 WATT RESISTOR, PARALLELED BY A .15 MFD. 150V A.C. TYPE CAPACITOR BETWEEN A KNOWN GOOD EARTH GROUND (WATER PIPE, CONDUIT, ETC.) AND THE EXPOSED METALLIC PARTS. ONE AT A TIME, MEASURE THE A.C. VOLTAGE ACROSS THE COMBINATION OF 1500 OHM RESISTOR AND .15 MFD CAPACITOR. REVERSE THE A.C. PLUG AND REPEAT A.C. VOLTAGE MEASUREMENTS FOR EACH EXPOSED METALLIC PART. VOLTAGE MEASURED MUST NOT EXCEED 75 VOLTS R.M.S. THIS CORRESPONDS TO 0.5 MILLIAMPERE A.C. ANY VALUE EXCEEDING THIS LIMIT CONSTITUTES A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED IMMEDIATELY.

A.C. VOLT-METER



SUBJECT: GRAPHIC SYMBOLS



THE LIGHTNING FLASH WITH APROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.

THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF IMPORTANT SAFETY INFORMATION IN SERVICE LITERATURE.

SUBJECT : X-RADIATION

1. BE SURE PROCEDURES AND INSTRUCTIONS TO ALL SERVICE PERSONNEL COVER THE SUBJECT OF X-RADIATION. THE ONLY POTENTIAL SOURCE OF X-RAYS IN CURRENT T.V. RECEIVERS IS THE PICTURE TUBE. HOWEVER, THIS TUBE DOES NOT EMIT X-RAYS WHEN THE HIGH VOLTAGE IS AT THE FACTORY SPECIFIED LEVEL. THE PROPER VALUE IS GIVEN IN THE APPLICABLE SCHEMATIC OPERATION AT HIGHER VOLTAGES MAY CAUSE A FAILURE OF THE PICTURE TUBE OR HIGH VOLTAGE SUPPLY AND, UNDER CERTAIN CIRCUMSTANCES, MAY PRODUCE RADIATION IN EXCESS OF DESIRABLE LEVELS.
2. ONLY FACTORY SPECIFIED C.R.T. ANODE CONNECTORS MUST BE USED. DEGAUSSING SHIELDS ALSO SERVE AS X-RAY SHIELD IN COLOR SETS, ALWAYS RE-INSTALL THEM.
3. IT IS ESSENTIAL THAT SERVICE PERSONNEL HAVE AVAILABLE AN ACCURATE AND RELIABLE HIGH VOLTAGE METER. THE CALIBRATION OF THE METER SHOULD BE CHECKED PERIODICALLY AGAINST A REFERENCE STANDARD, SUCH AS THE ONE AVAILABLE AT YOUR DISTRIBUTOR.
4. WHEN THE HIGH VOLTAGE CIRCUITRY IS OPERATING PROPERLY THERE IS NO POSSIBILITY OF AN X-RADIATION PROBLEM. EVERY TIME A COLOR CHASSIS IS SERVICED, THE BRIGHTNESS SHOULD BE RUN UP AND DOWN WHILE MONITORING THE HIGH VOLTAGE WITH A METER TO BE CERTAIN THAT THE HIGH VOLTAGE DOES NOT EXCEED THE SPECIFIED VALUE AND THAT IT IS REGULATING CORRECTLY. WE SUGGEST THAT YOU AND YOUR SERVICE ORGANIZATION FOLLOW TEST PROCEDURES SO THAT VOLTAGE REGULATION IS ALWAYS CHECKED AS A STANDARD SERVICING PROCEDURE, AND THAT THE HIGH VOLTAGE READING BE RECORDED ON EACH CUSTOMER'S INVOICE.
5. WHEN TROUBLESHOOTING AND MAKING TEST MEASUREMENTS IN A PRODUCT WITH A PROBLEM OF EXCESSIVE HIGH VOLTAGE, AVOID BEING UNNECESSARILY CLOSE TO THE PICTURE TUBE AND THE HIGH VOLTAGE SUPPLY. DO NOT OPERATE THE PRODUCT LONGER THAN IS NECESSARY TO LOCATE THE CAUSE OF EXCESSIVE VOLTAGE.
6. REFER TO HV. B+ AND SHUTDOWN ADJUSTMENT PROCEDURES DESCRIBED IN THE APPROPRIATE SCHEMATIC AND DIAGRAMS (WHERE USED).

SUBJECT: IMPLSION

1. ALL DIRECT VIEWED PICTURE TUBES ARE EQUIPPED WITH AN INTEGRAL IMPLSION PROTECTION SYSTEM, BUT CARE SHOULD BE TAKEN TO AVOID DAMAGE DURING INSTALLATION, AVOID SCRATCHING THE TUBE. IF SCRATCHED REPLACE IT.
2. USE ONLY RECOMMENDED FACTORY REPLACEMENT TUBES.

SUBJECT : TIPS ON PROPER INSTALLATION

1. NEVER INSTALL ANY PRODUCT IN A CLOSED-IN RECESS, CUBBY-HOLE OR CLOSELY FITTING SHELF SPACE. OVER OR CLOSE TO HEAT DUCT, OR IN THE PATH OF HEATED AIR FLOW.
2. AVOID CONDITIONS OF HIGH HUMIDITY SUCH AS: OUTDOOR PATIO INSTALLATIONS WHERE DEW IS A FACTOR, NEAR STEAM RADIATORS WHERE STEAM LEAKAGE IS A FACTOR, ETC.
3. AVOID PLACEMENT WHERE DRAPERIES MAY OBSTRUCT REAR VENTING. THE CUSTOMER SHOULD ALSO AVOID THE USE OF DECORATIVE SCARVES OR OTHER COVERINGS WHICH MIGHT OBSTRUCT VENTILATION.
4. WALL AND SHELF MOUNTED INSTALLATIONS USING A COMMERCIAL MOUNTING KIT MUST FOLLOW THE FACTORY APPROVED MOUNTING INSTRUCTIONS. A PRODUCT MOUNTED TO A SHELF OR PLATFORM MUST RETAIN ITS ORIGINAL FEET (OR THE EQUIVALENT THICKNESS IN SPACERS) TO PROVIDE ADEQUATE AIR FLOW ACROSS THE BOTTOM. BOLTS OR SCREWS USED FOR FASTENERS MUST NOT TOUCH ANY PARTS OR WIRING. PERFORM LEAKAGE TEST ON CUSTOMIZED INSTALLATIONS.
5. CAUTION CUSTOMERS AGAINST THE MOUNTING OF A PRODUCT ON SLOPING SHELF OR A TILTED POSITION, UNLESS THE PRODUCT IS PROPERLY SECURED.
6. A PRODUCT ON A ROLL-ABOUT CART SHOULD BE STABLE ON ITS MOUNTING TO THE CART. CAUTION THE CUSTOMER ON THE HAZARDS OF TRYING TO ROLL A CART WITH SMALL CASTERS ACROSS THRESHOLDS OR DEEP PILE CARPETS.
7. CAUTION CUSTOMERS AGAINST THE USE OF A CART OR STAND WHICH HAS NOT BEEN LISTED BY UNDERWRITERS LABORATORIES, INC. FOR USE WITH THEIR SPECIFIC MODEL OF TELEVISION RECEIVER OR GENERALLY APPROVED FOR USE WITH T.V.'S OF THE SAME OR LARGER SCREEN SIZE.
8. CAUTION CUSTOMERS AGAINST THE USE OF EXTENSION CORDS, EXPLAIN THAT A FOREST OF EXTENSIONS SPROUTING FROM A SINGLE OUTLET CAN LEAD TO DASTROUS CONSEQUENCES TO HOME AND FAMILY.

SERVICING PRECAUTIONS

CAUTION : Before servicing the DVD covered by this service data and its supplements and addends, read and follow the SAFETY PRECAUTIONS. NOTE : if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publication, always follow the safety precautions.

Remember Safety First:

General Servicing Precautions

1. Always unplug the DVD AC power cord from the AC power source before:
 - (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
 - (2) Disconnection or reconnecting any internal electrical plug or other electrical connection.
 - (3) Connecting a test substitute in parallel with an electrolytic capacitor.

Caution : A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
2. Do not spray chemicals on or near this DVD or any of its assemblies.
3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cotton-tipped swab, or comparable soft applicator. Unless specified otherwise in this service data, lubrication of contacts is not required.
4. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.
5. Do not apply AC power to this DVD and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
6. Always connect test instrument ground lead to the appropriate ground before connection the test instrument positive lead. Always remove the test instrument ground lead last.

Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter(500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.

Note 1 : Accessible Conductive Parts including Metal panels, Input terminals, Earphone jacks, etc.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor chip components.

The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

SPECIFICATIONS

SECTION 2
CABINET & MAIN CHASSIS

CONTENTS

• GENERAL

Power requirements:	AC 110-240 V , 50/60 Hz
Power consumption:	8W
Dimensions (Approx.):	430 x 35 x 242 mm (W x H x D) without foot
Weight (Approx.):	1.7 kg
Operating temperature:	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity:	5 % to 90 %

• OUTPUTS

VIDEO OUT:	1 Vp-p 75 Ω, sync negative, RCA jack x 1 / SCART (TO TV)
AUDIO OUT:	2.0 Vrms (1 KHz, 0 dB), 600 Ω, RCA jack (L, R) x 1 / SCART (TO TV)
	DIGITAL OUT (COAXIAL):0.5 V (p-p), 75 Ω, RCA jack x 1

• SYSTEM

Laser:	Semiconductor laser, wavelength 650 nm
Signal system:	PAL / NTSC
Frequency response:	DVD (PCM 96 kHz): 8 Hz to 44 kHz DVD (PCM 48 kHz): 8 Hz to 22 kHz CD: 8 Hz to 20 kHz
Signal-to-noise ratio:	More than 100 dB (ANALOG OUT connectors only)
Harmonic distortion:	Less than 0.002%
Dynamic range:	More than 95 dB (DVD/CD)

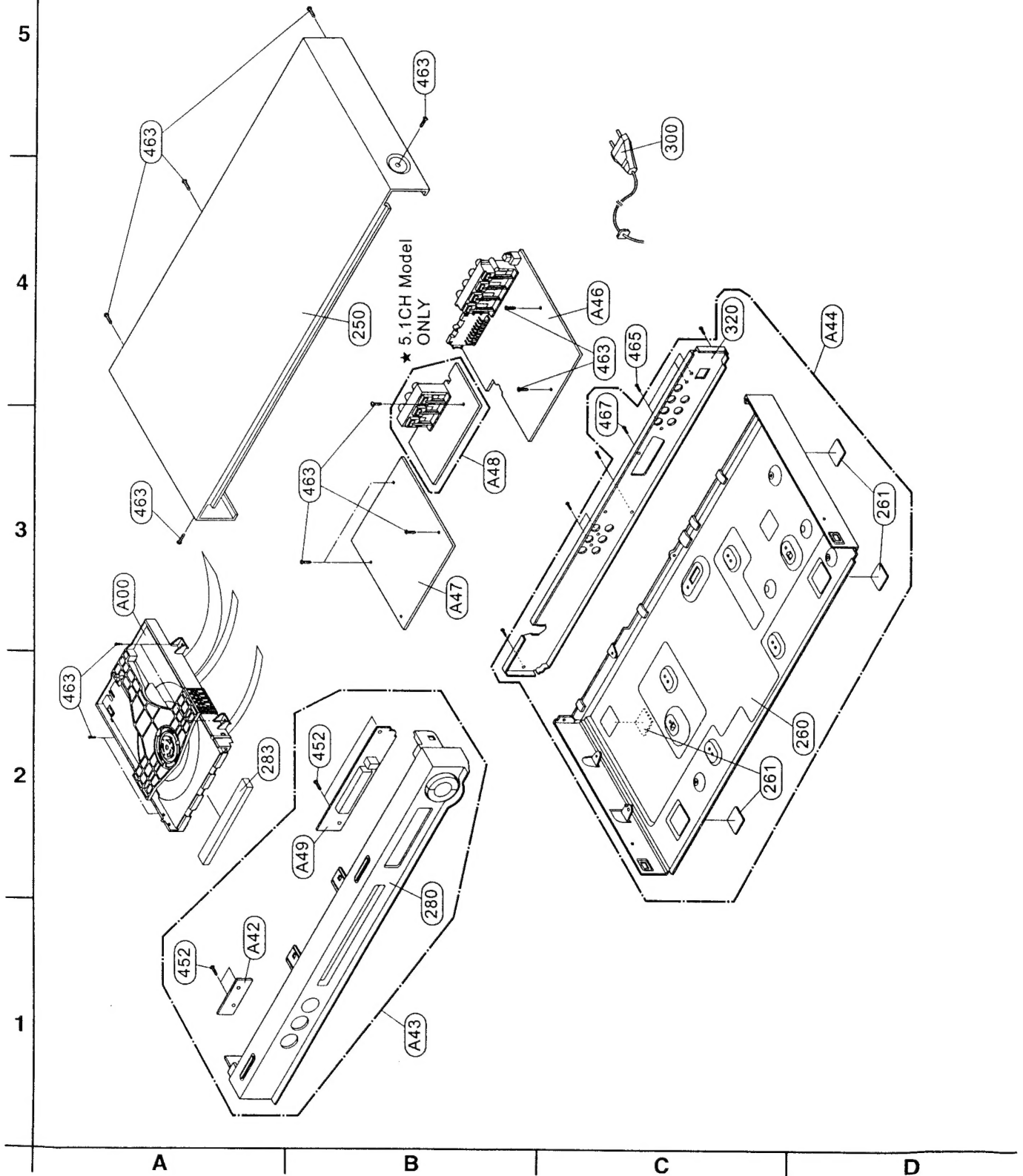
• ACCESSORIES

Remote control (1), Batteries (2)

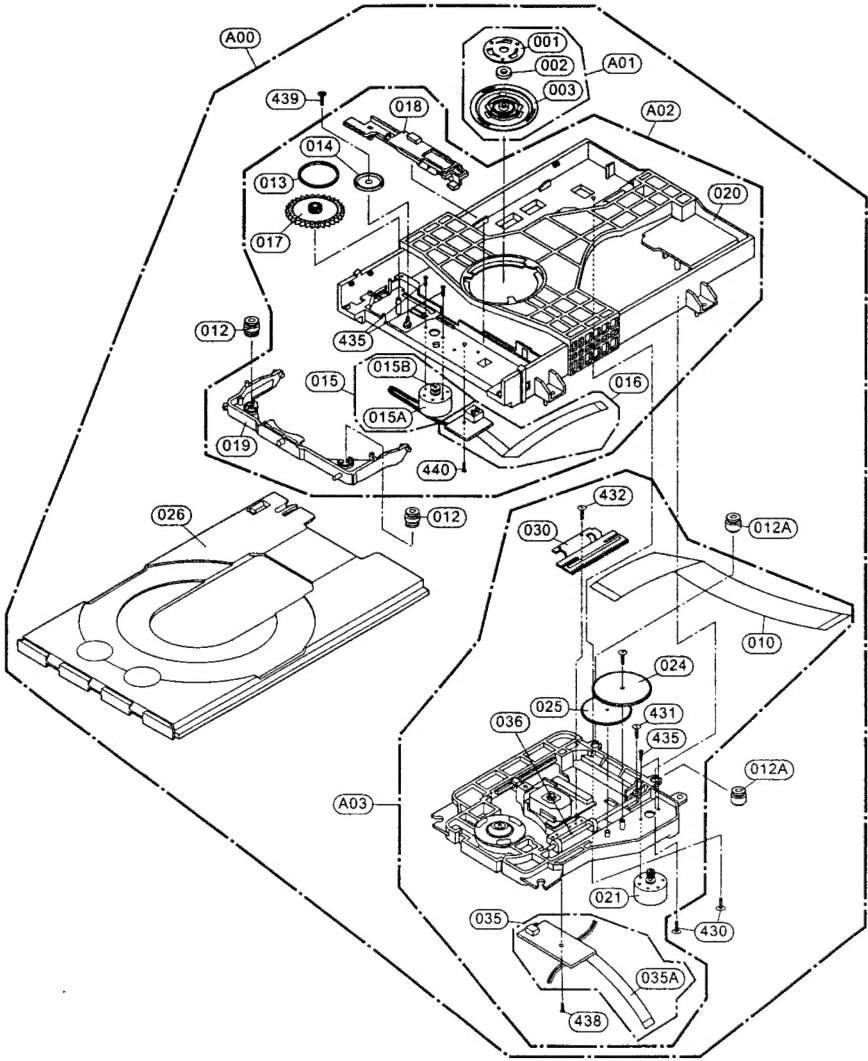
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EXPLODED VIEWS

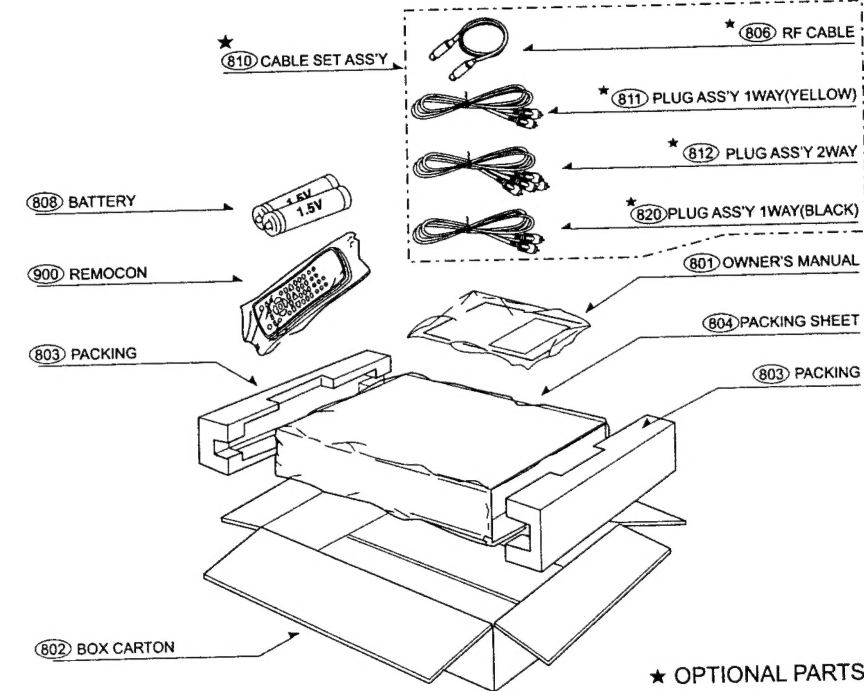
1. Cabinet and Main Frame Section



2. Deck Mechanism Section(DP-9)



3. Packing Accessory Section

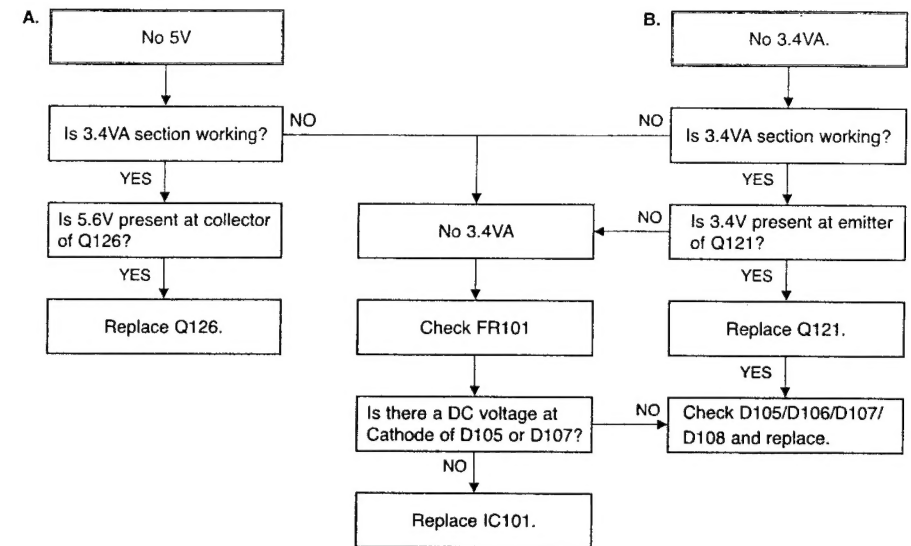


SECTION 3 ELECTRICAL CONTENTS

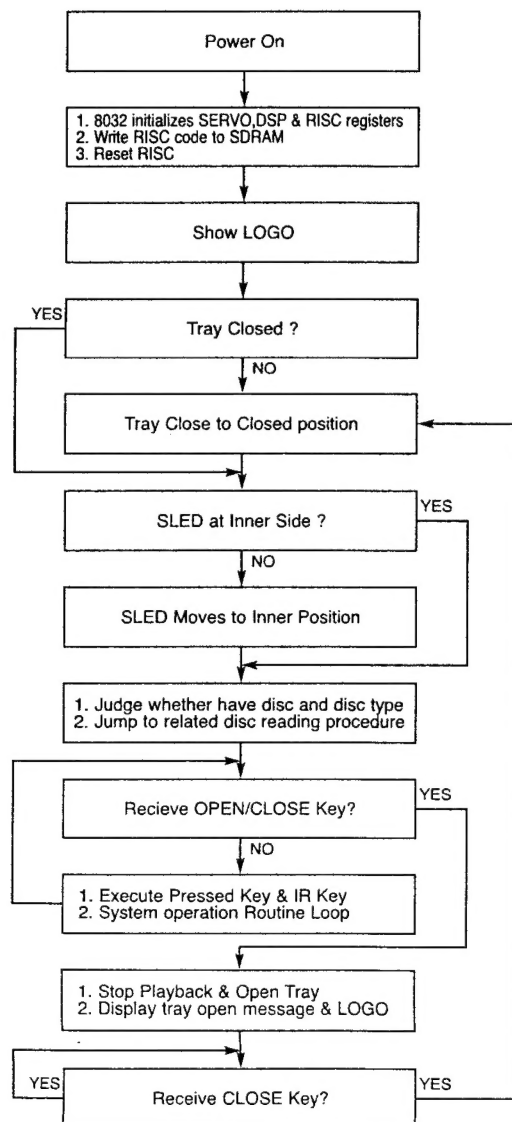
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ELECTRICAL TROUBLESHOOTING GUIDE

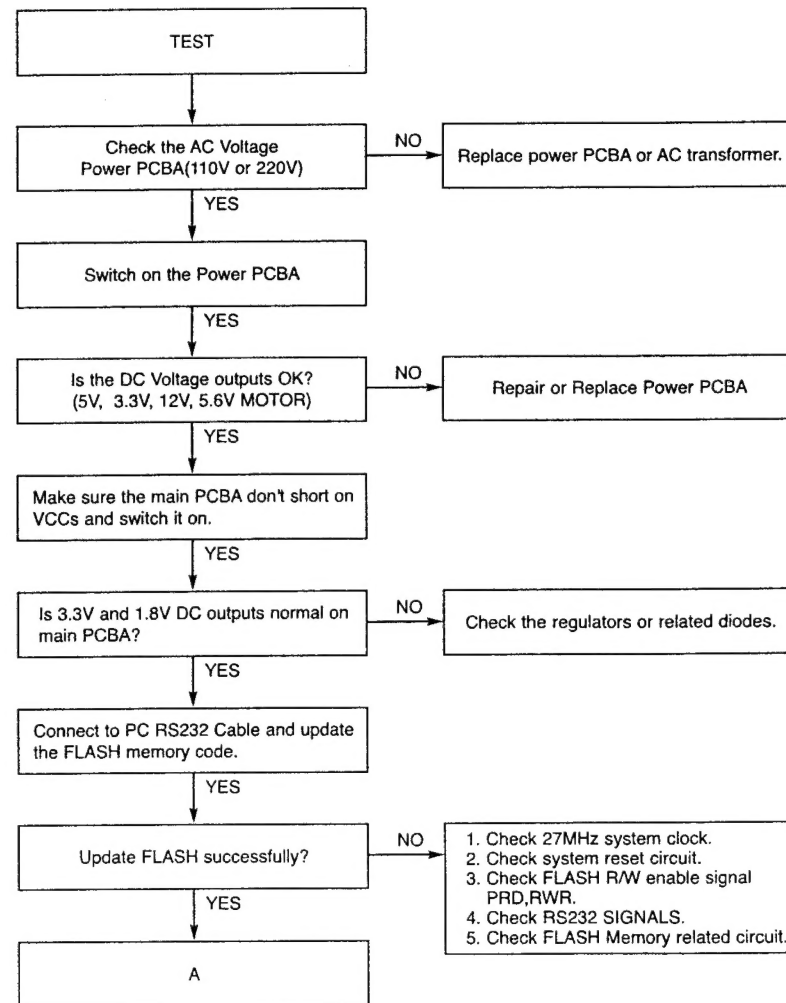
1. Power check flow

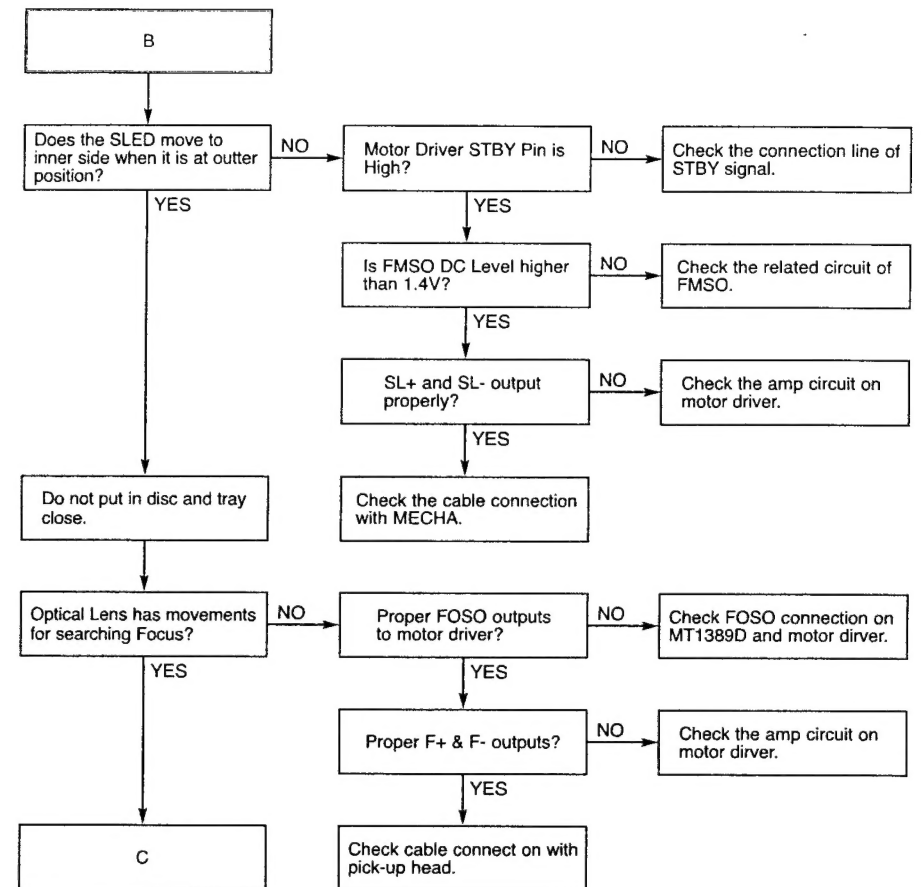
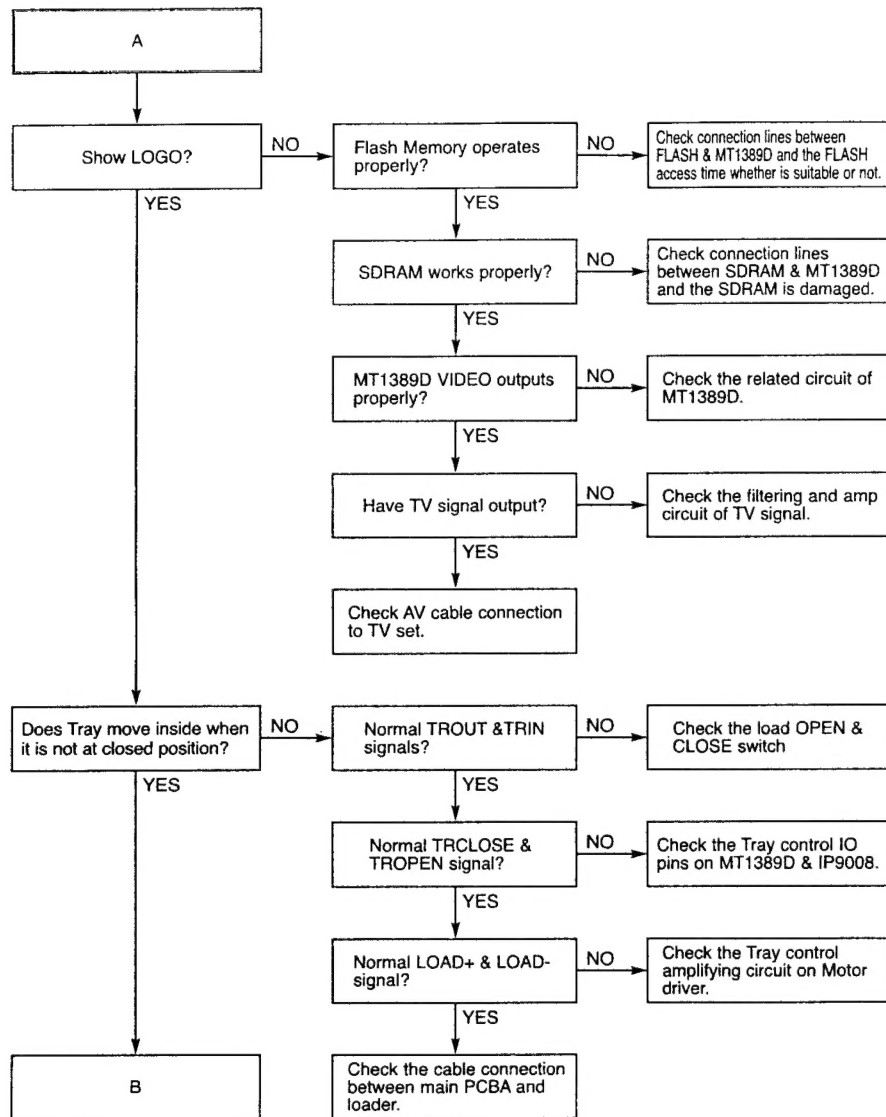


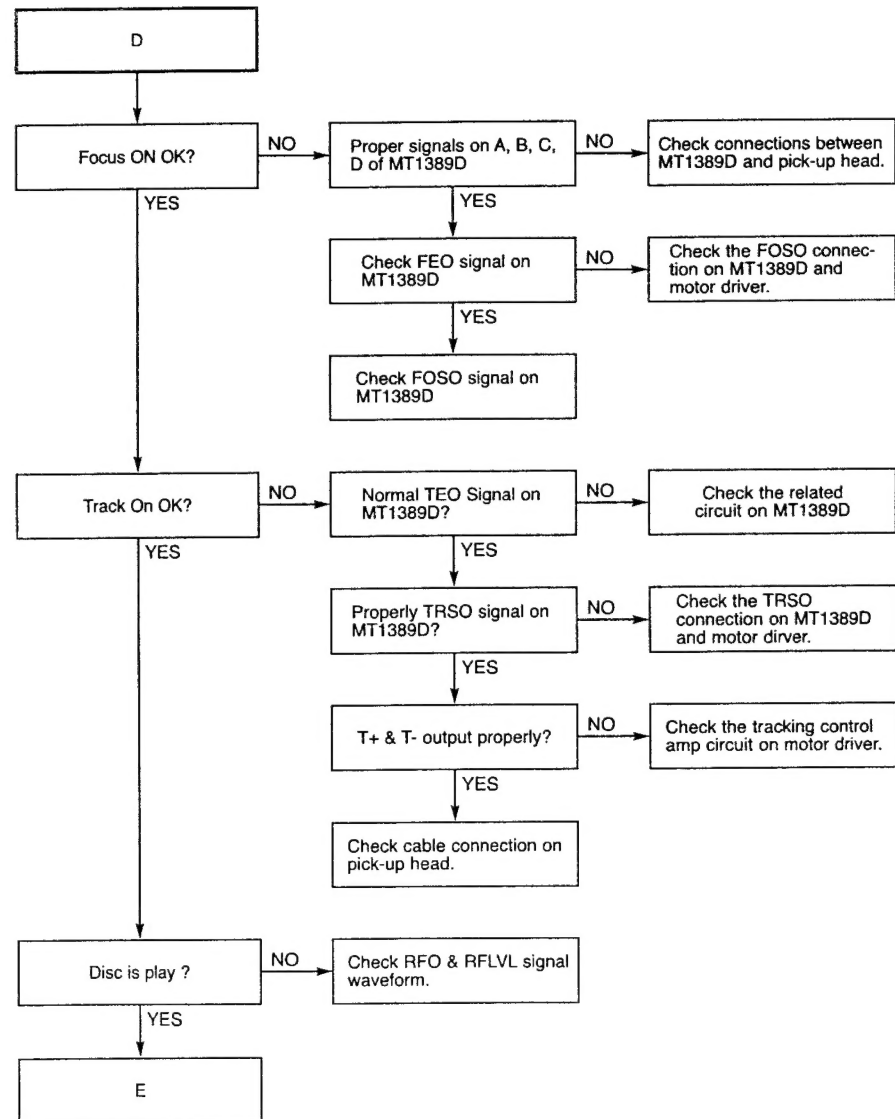
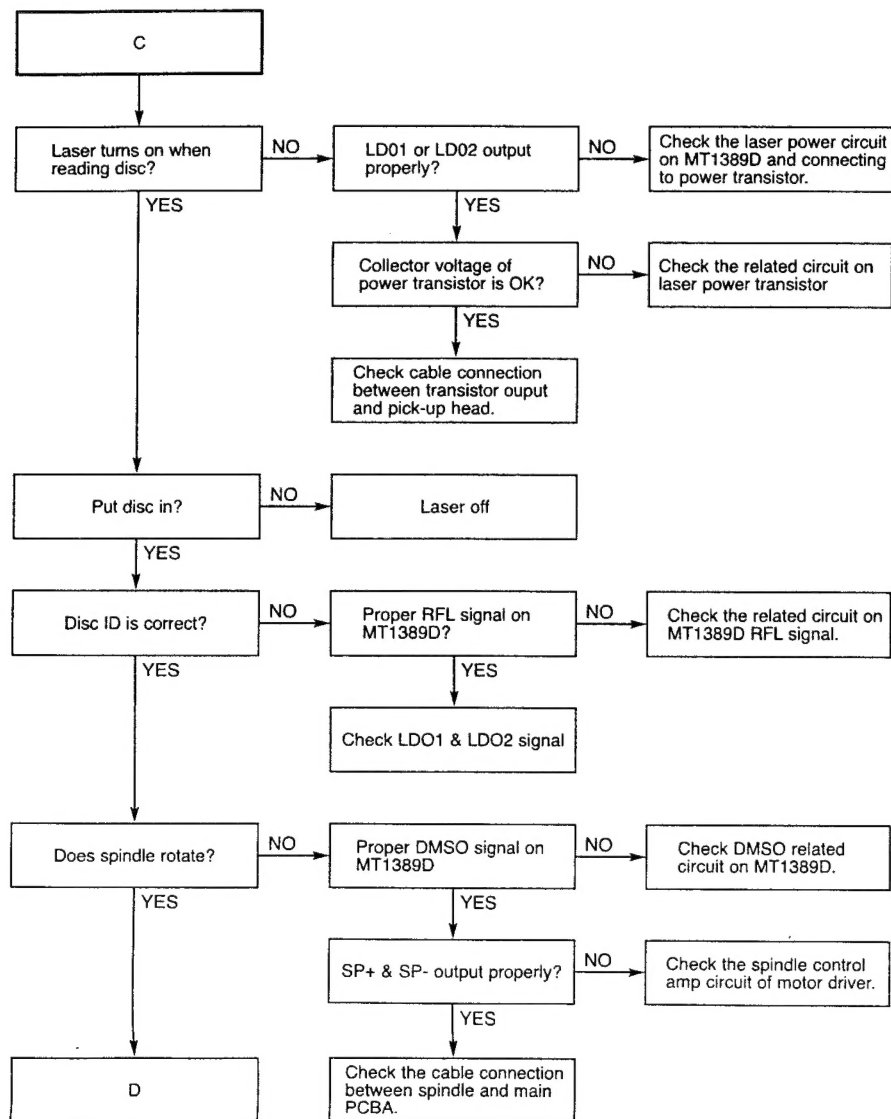
2. System operation flow



3. Test & debug flow







DETAILS AND WAVEFORMS ON SYSTEM TEST AND DEBUGGING

1. SYSTEM 27MHz CLOCK, RESET, FLASH R/W SIGNAL.

1) MT1389D main clock is at 27MHz(X501)

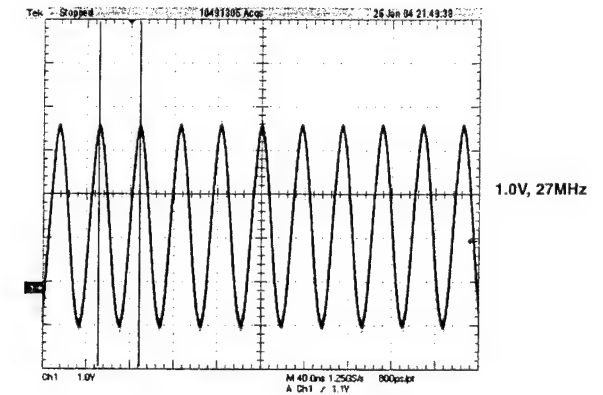
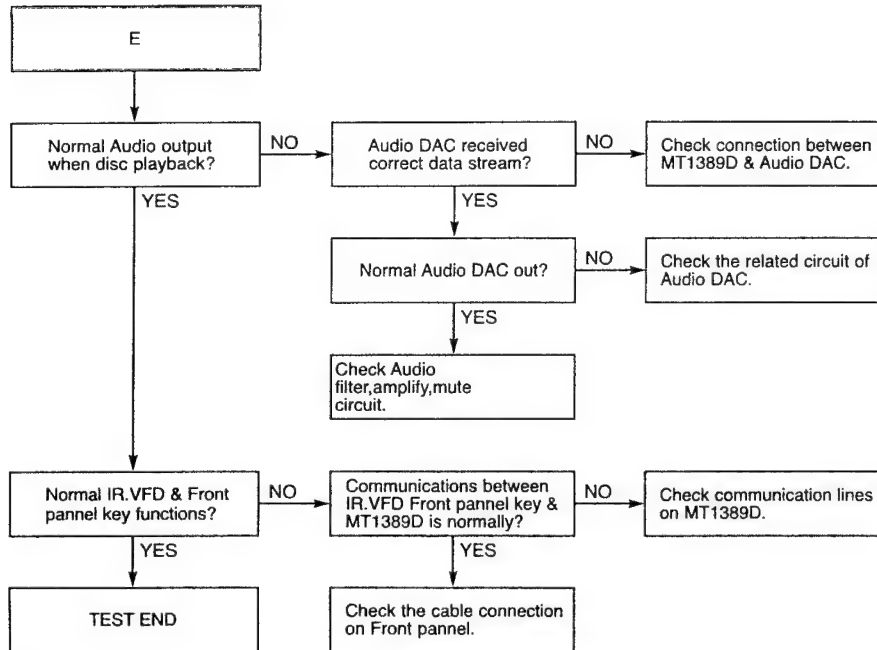


FIG 1-1

2) MT1389D reset is low active.

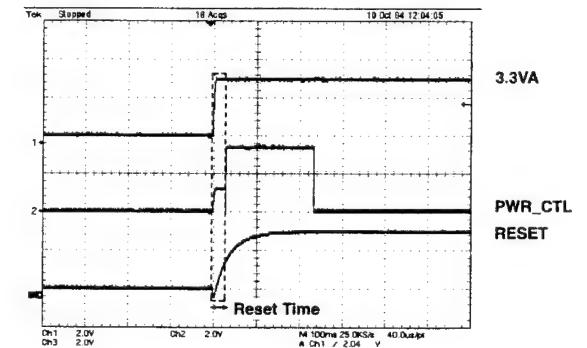


FIG 1-2

3) RS232 waveform during procedure(Downloading)

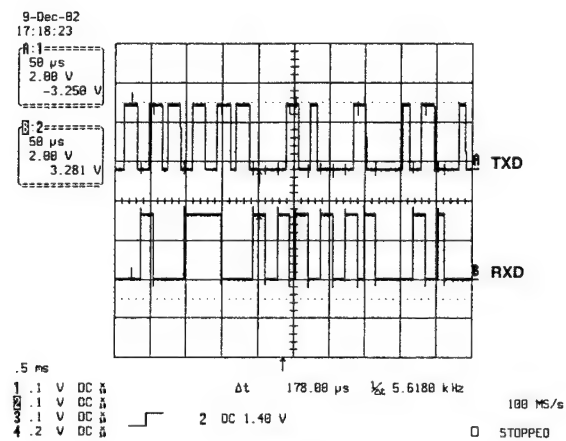


FIG 1-3

4) Flash R/W enable signal during download(Downloading)

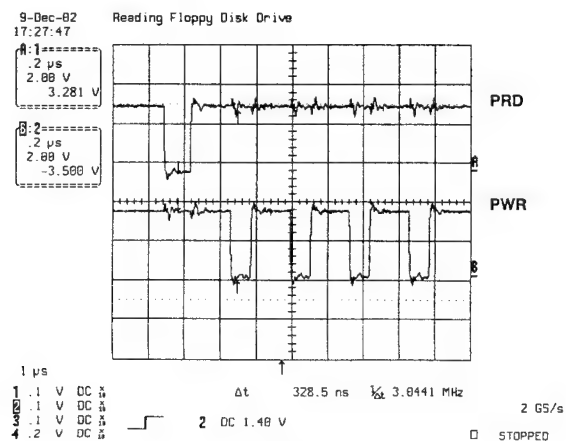


FIG 1-4

2. SDRAM CLOCK

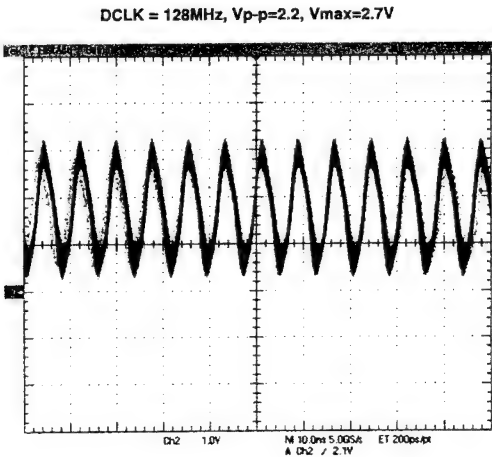


FIG 2-1

3. TRAY OPEN/CLOSE SIGNAL

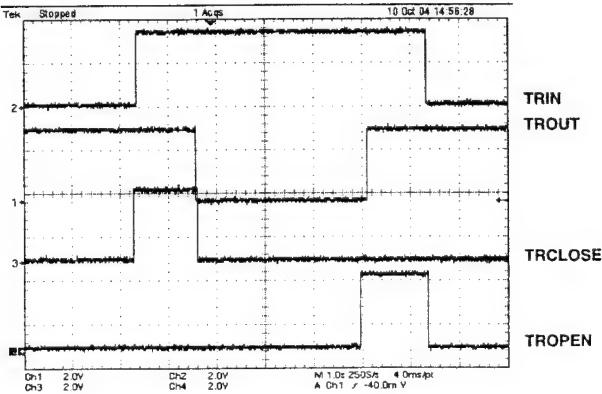


FIG 3-1

4. SLED CONTROL RELATED SIGNAL (NO DISC CONDITION)

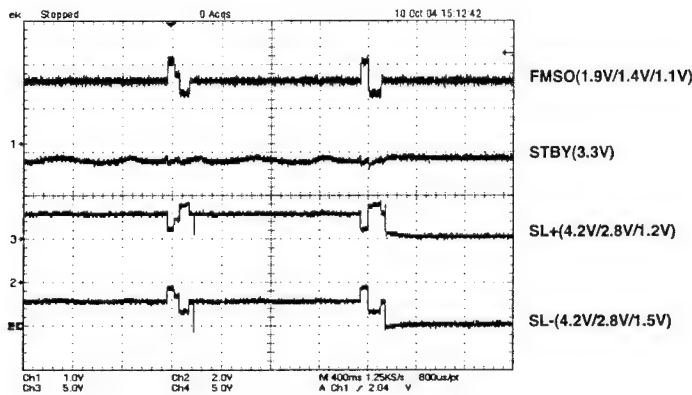


FIG 4-1

5. LENS CONTROL RELATED SIGNAL(NO DISC CONDITION)

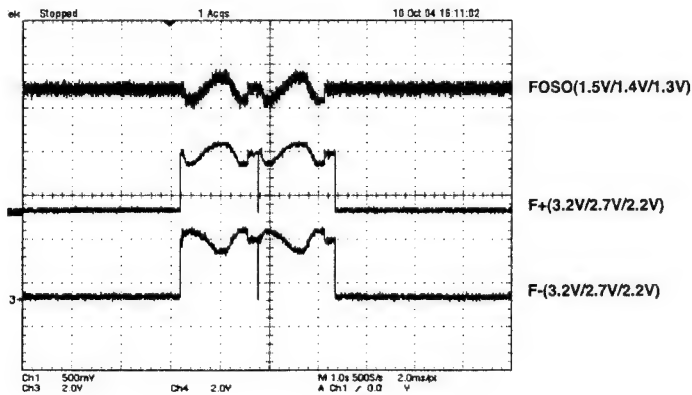


FIG 5-1

6. LASER POWER CONTROL RELATED SIGNAL(NO DISC CONDITION)

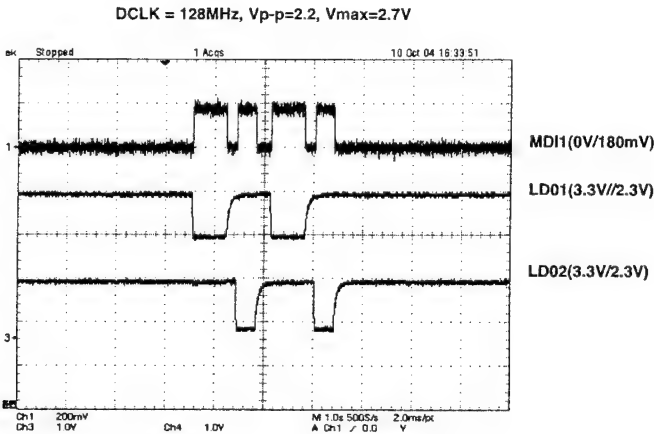


FIG 6-1

7. DISC TYPE JUDGEMENT WAVEFORM

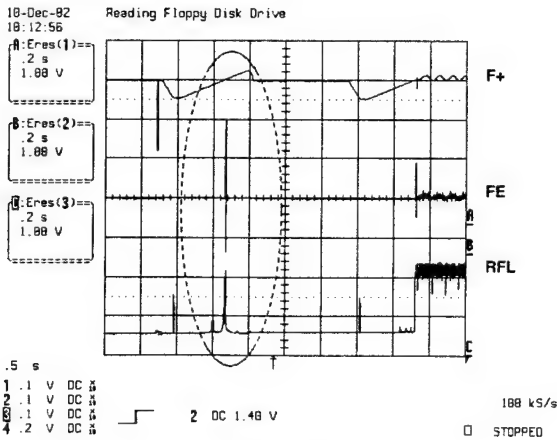


FIG 7-1(DVD)

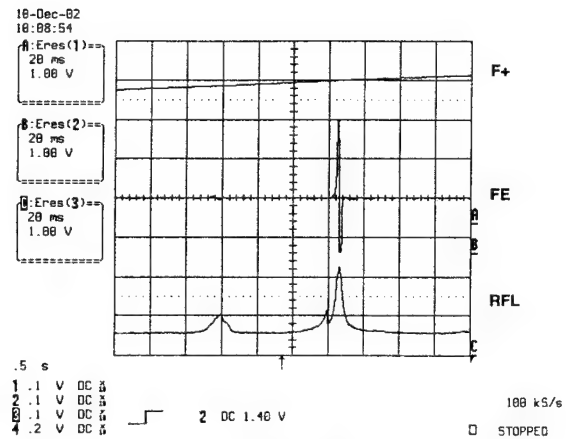


FIG 7-2 (DVD)

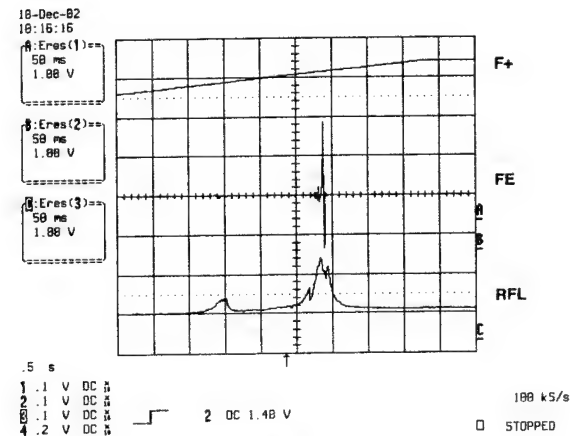


FIG 7-4 (CD)

8. FOCUS ON WAVEFORM

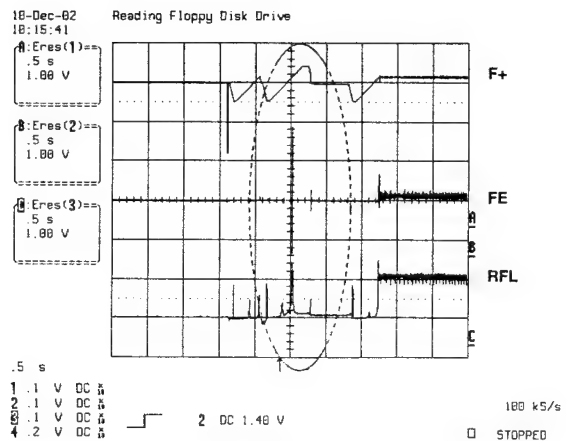


FIG 7-3 (CD)

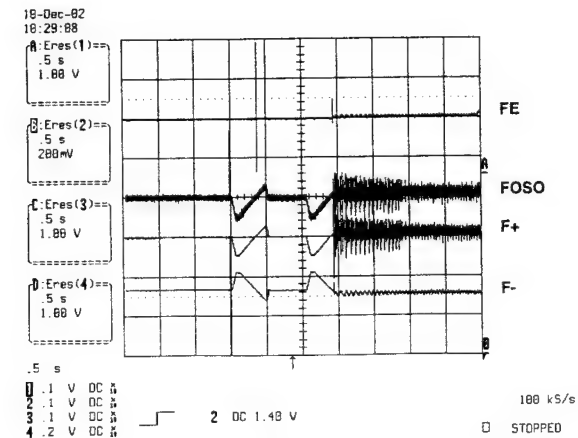


FIG 8-1 (DVD)

10. TRACKING CONTROL RELATED SIGNAL(System checking)

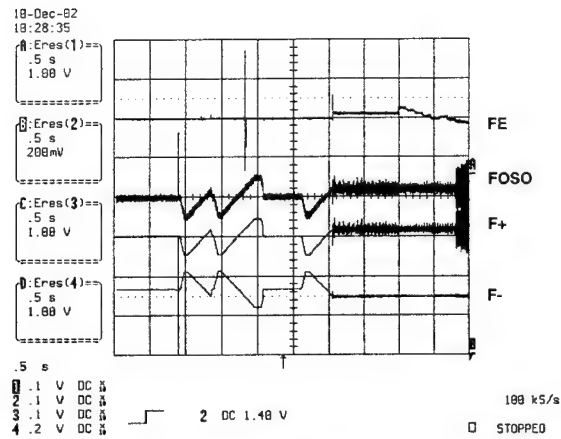


FIG 8-2 (CD)

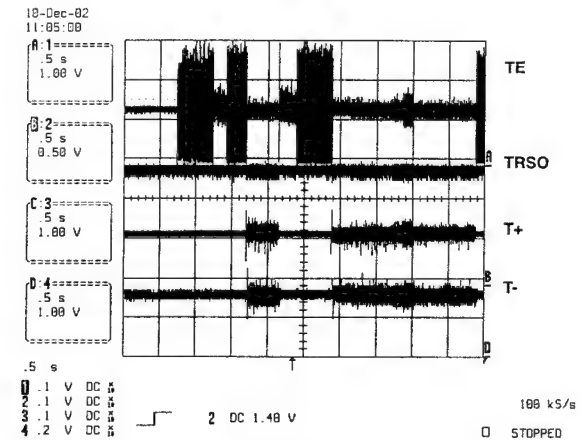


FIG 10-1 (DVD)

9) SPINDLE CONTROL WAVEFORM (NO DISC CONDITION)

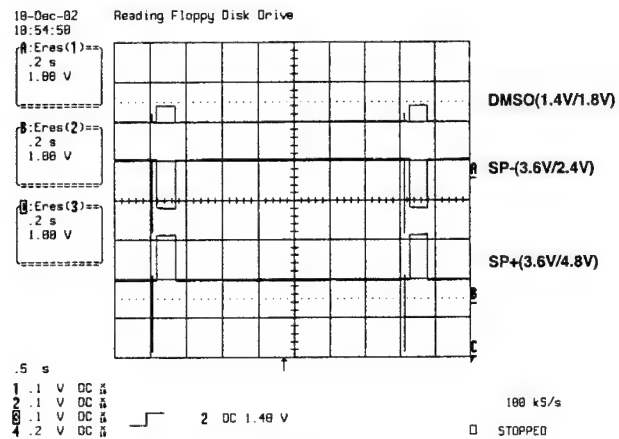


FIG 9-1

3-17

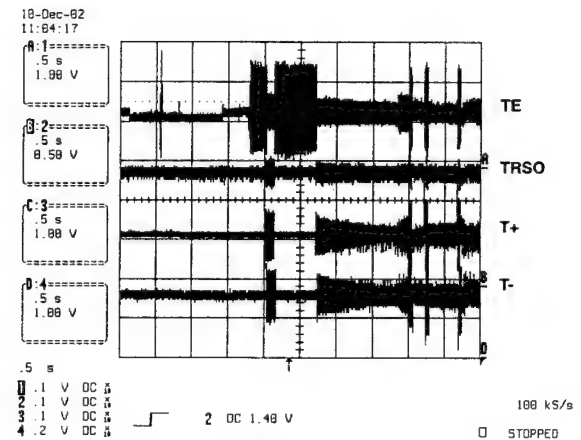


FIG 10-2 (CD)

3-18

11. MT1389D AUDIO OPTICAL AND COAXIAL OUTPUT (SPDIF)

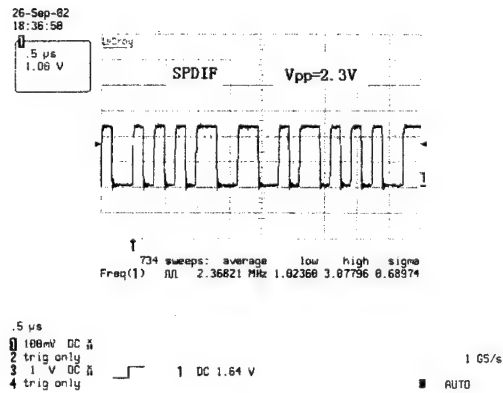


FIG 11-1

12. MT1389D VIDEO OUTPUT WAVEFORM

1) 100%

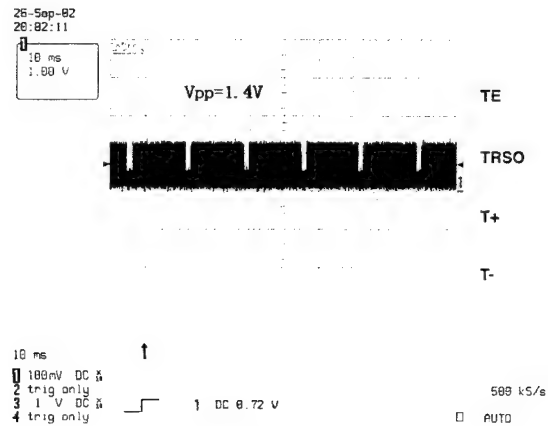


FIG 12-1

2) COMPOSITE VIDEO SIGNAL

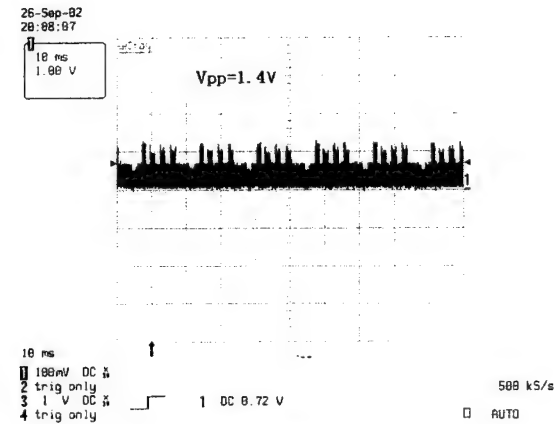


FIG 13-2

13. AUDIO OUTPUT FROM AUDIO DAC

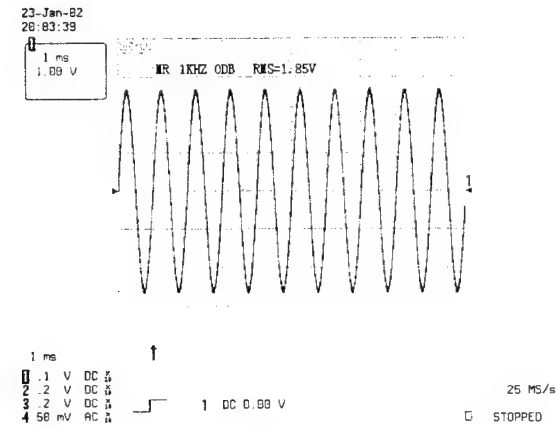
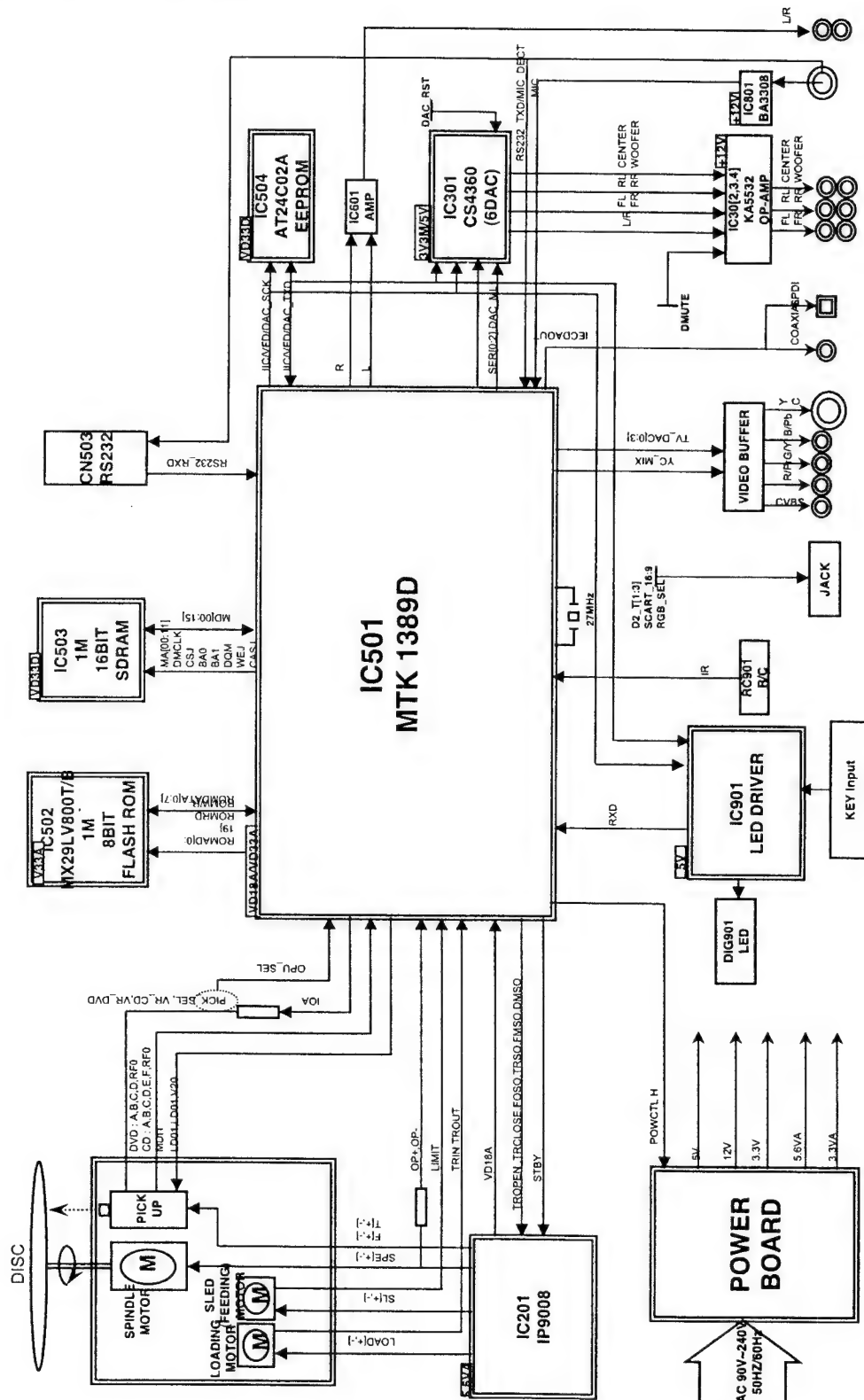


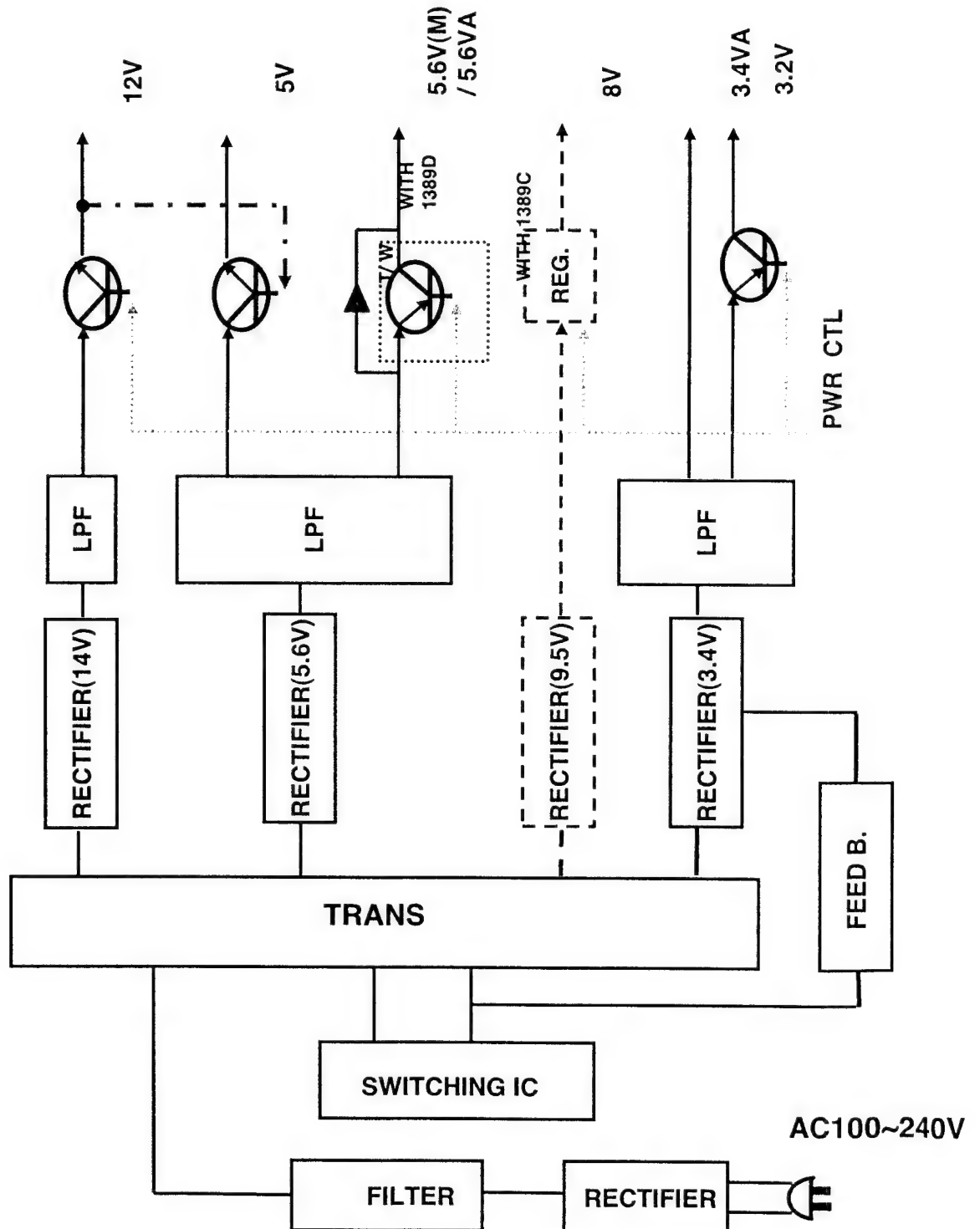
FIG 13-1

BLOCK DIAGRAMS

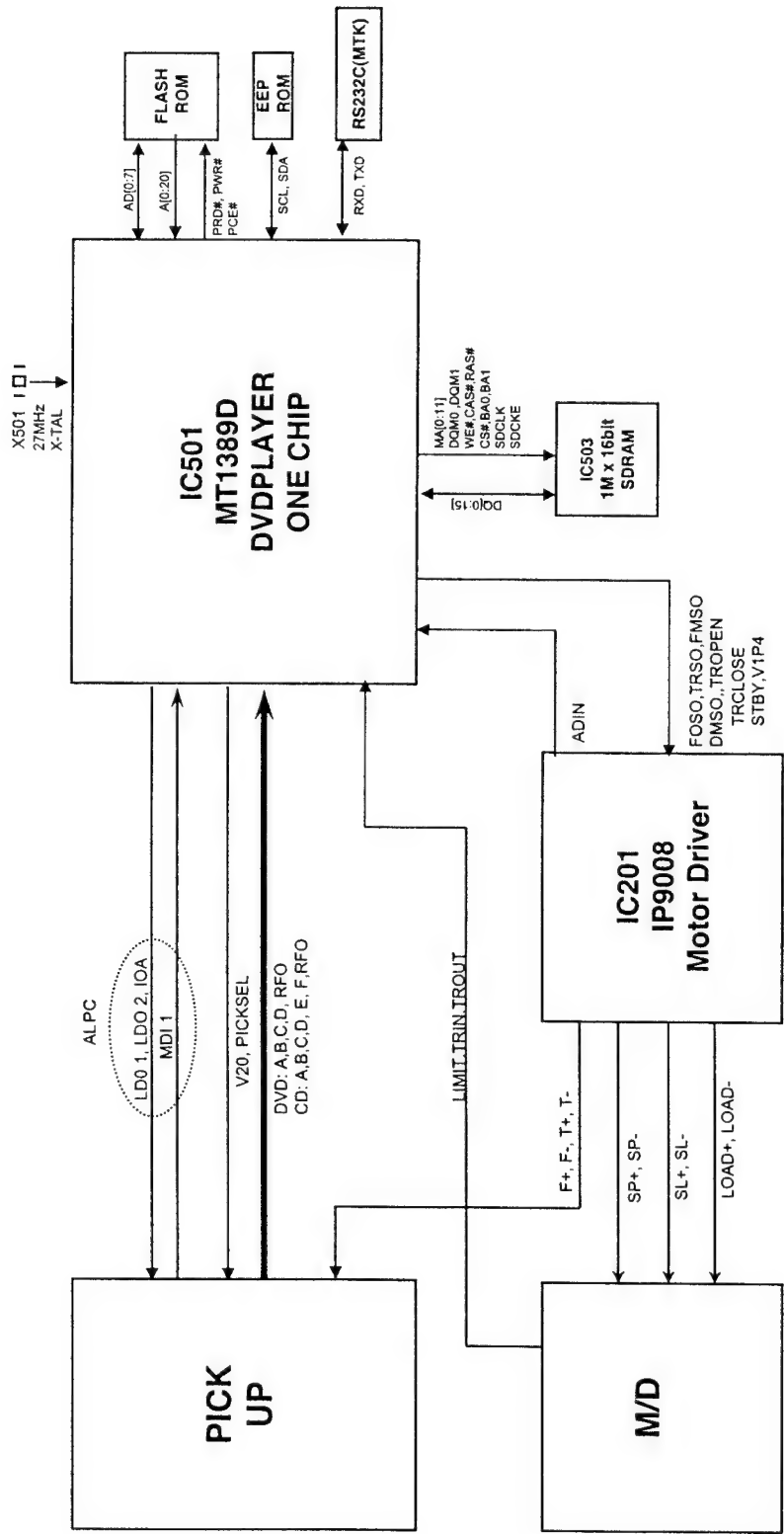
1. Overall Block Diagram



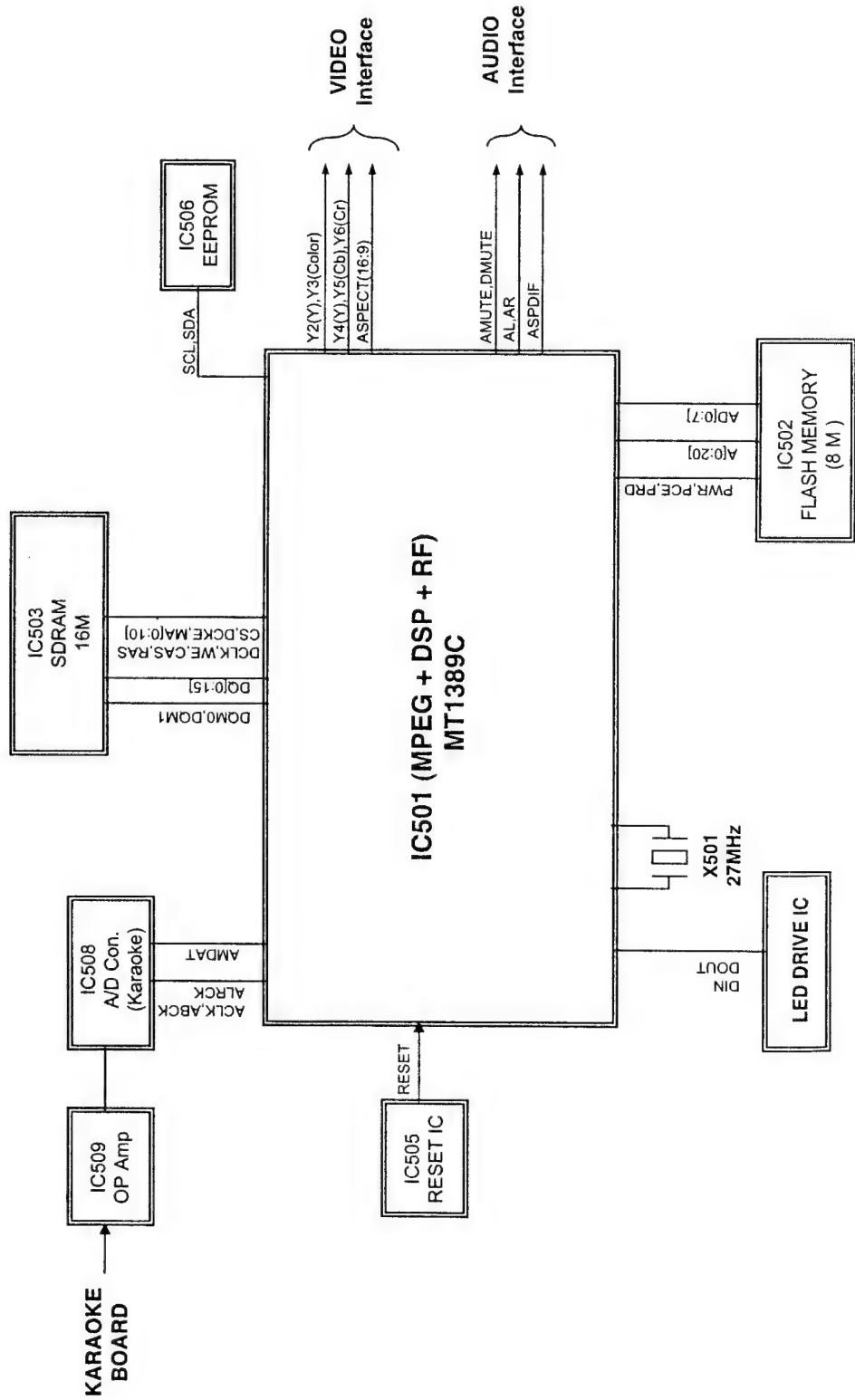
2. Power(SMPS) Block Diagram



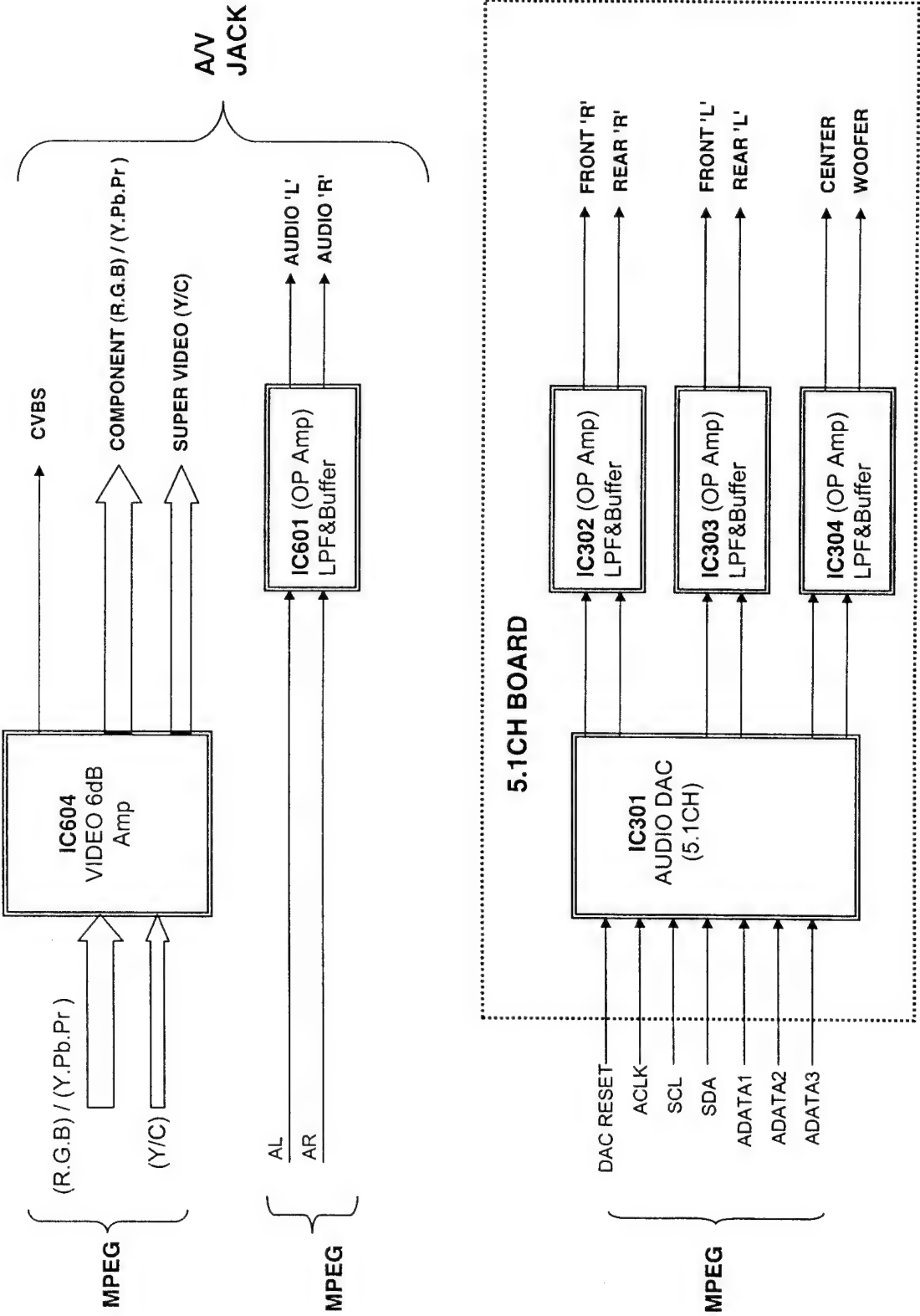
3. SERVO Block Diagram



4. MPEG & MEMORY Block Diagram



5. VIDEO & AUDIO Block Diagram



CIRCUIT DIAGRAMS

1. POWER(SMPS) CIRCUIT DIAGRAM

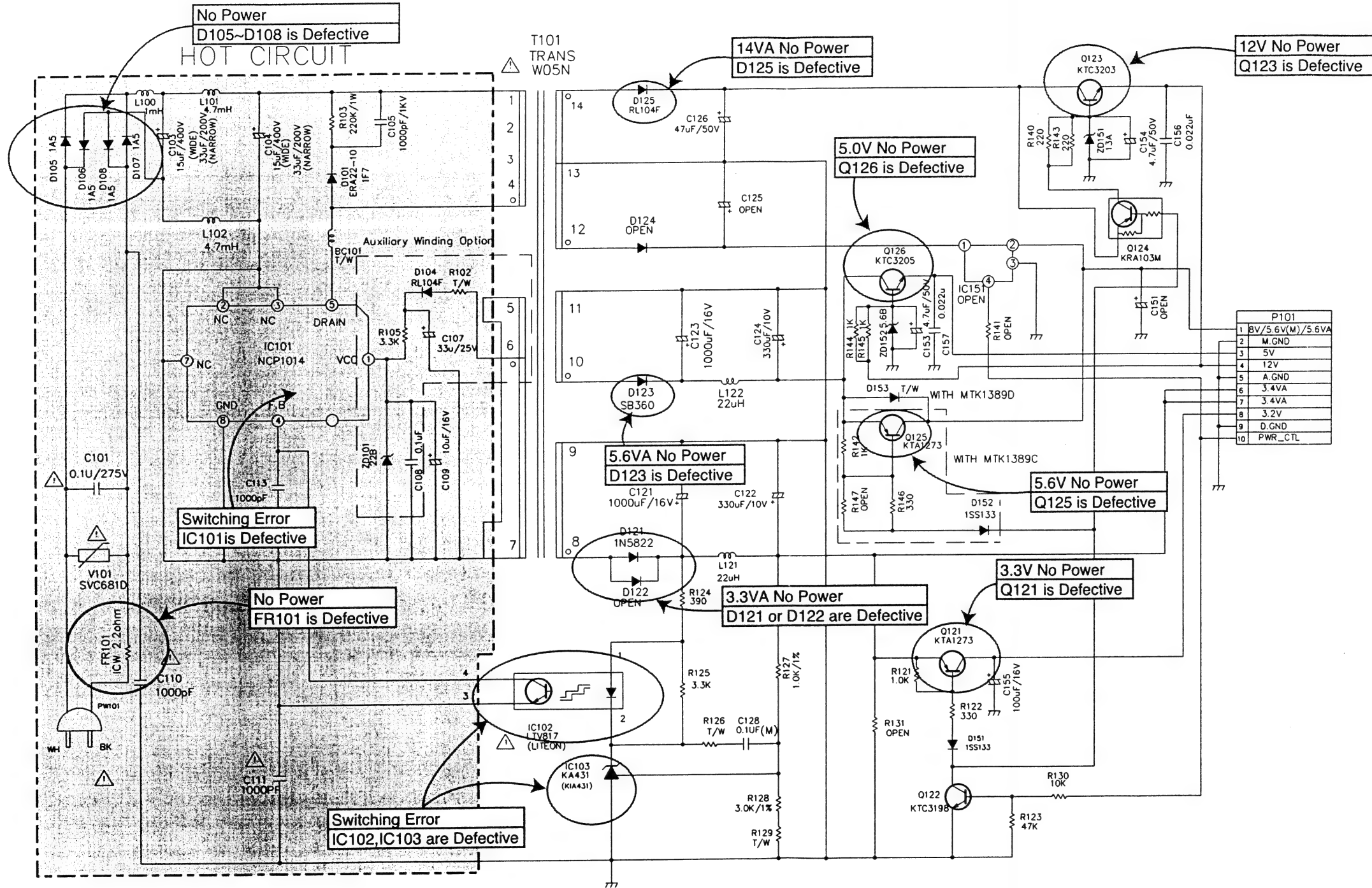
IMPORTANT SAFETY NOTICE

WHEN SERVICING THIS CHASSIS, UNDER NO CIRCUMSTANCES SHOULD THE ORIGINAL DESIGN BE MODIFIED OR ALTERED WITHOUT PERMISSION FROM THE LG ELECTRONICS CORPORATION. ALL COMPONENTS SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIR-

CUIT. SPECIAL COMPONENTS ARE SHADED ON THE SCHEMATIC FOR EASY IDENTIFICATION. THIS CIRCUIT DIAGRAM MAY OCCASIONALLY DIFFER FROM THE ACTUAL CIRCUIT USED. THIS WAY, IMPLEMENTATION OF THE LATEST SAFETY AND PERFORMANCE IMPROVEMENT CHANGES INTO THE SET IS NOT DELAYED UNTIL THE NEW SERVICE LITERATURE IS PRINTED.

NOTE :

- 1. Shaded(■) parts are critical for safety. Replace only with specified part number.
- 2. Voltages are DC-measured with a digital voltmeter during Play mode.

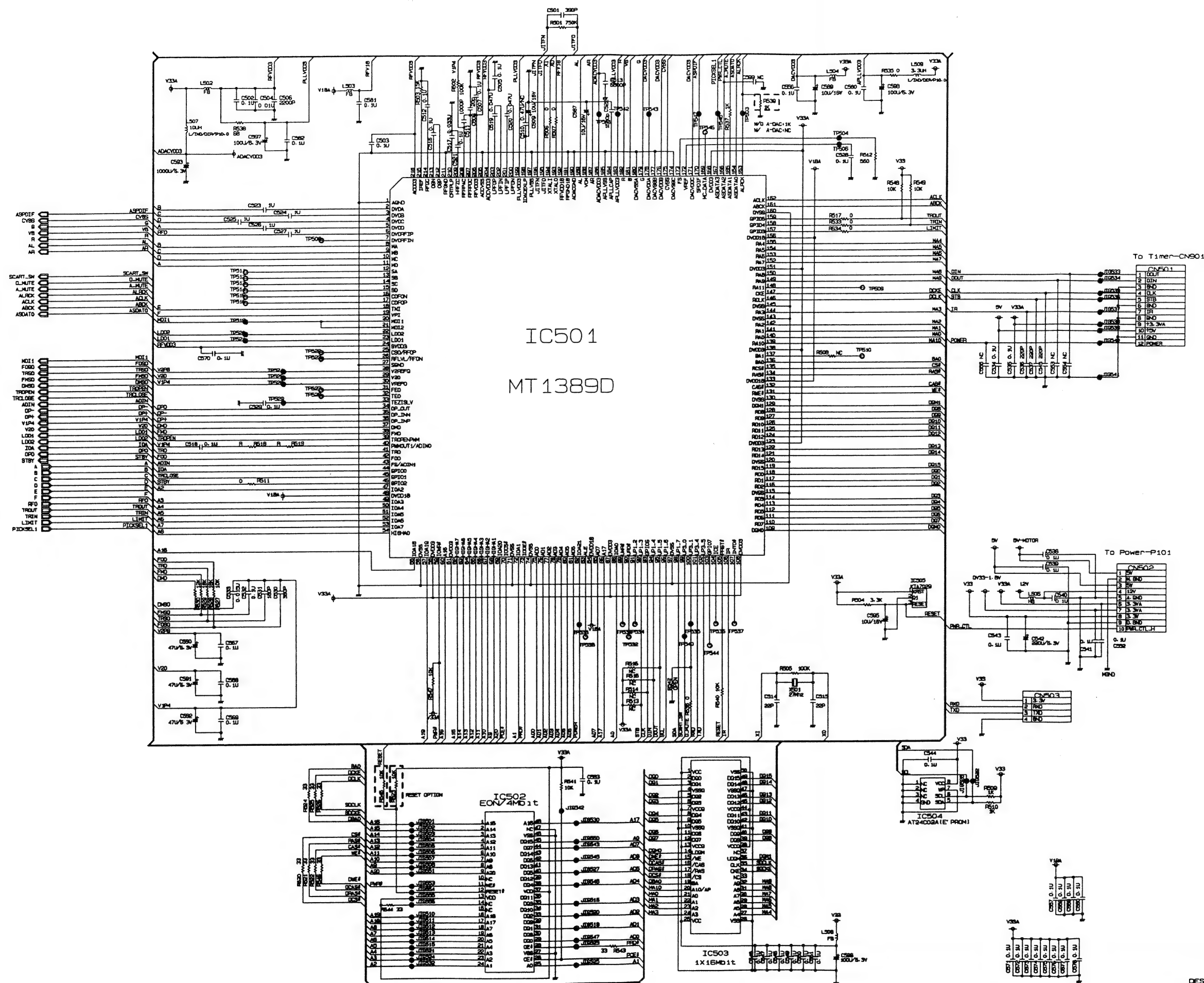


A vertical scale with horizontal tick marks and numbers 1 through 12. The numbers are positioned to the left of the scale line.

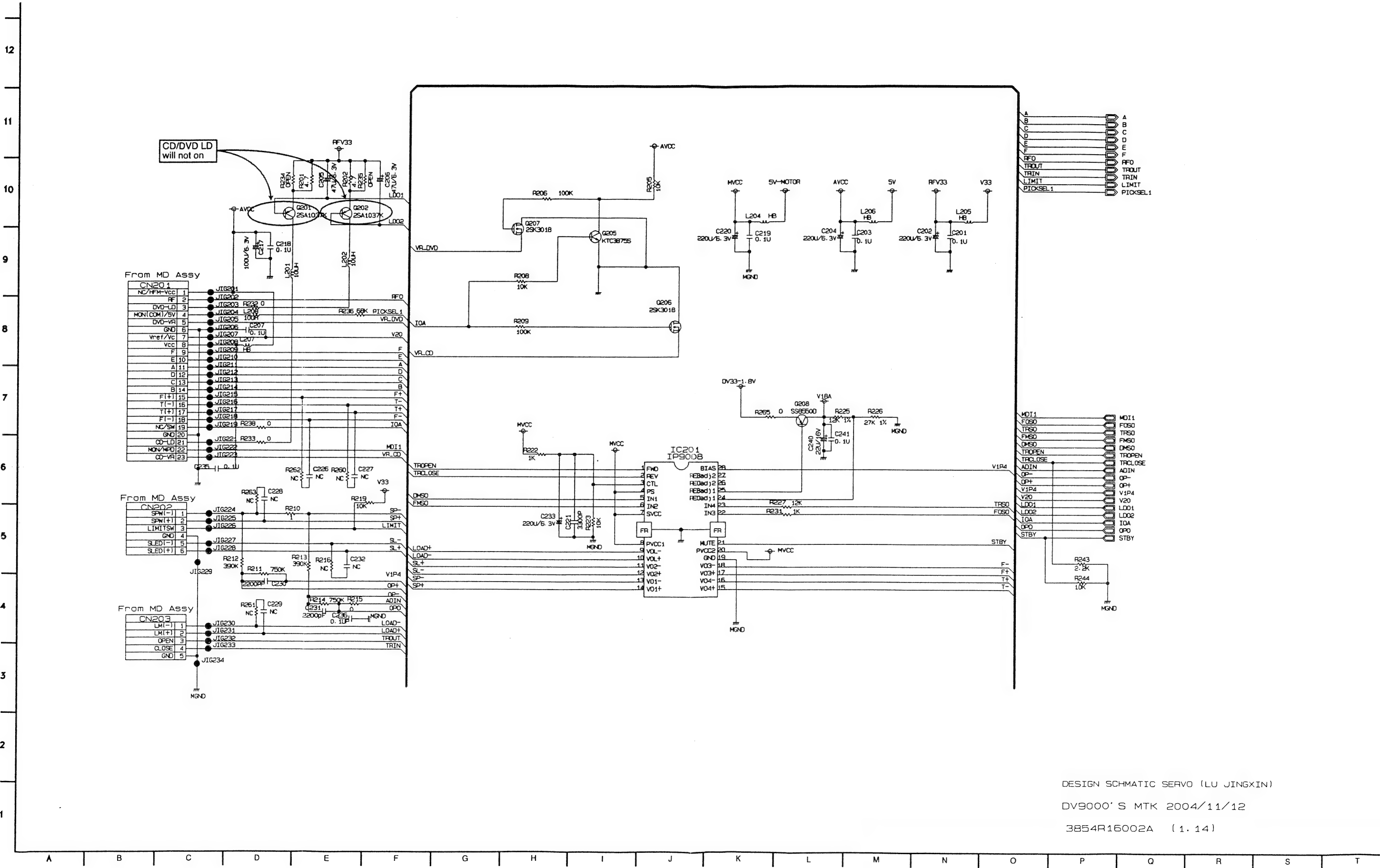
[illegible]

3854R16003A (1.14)

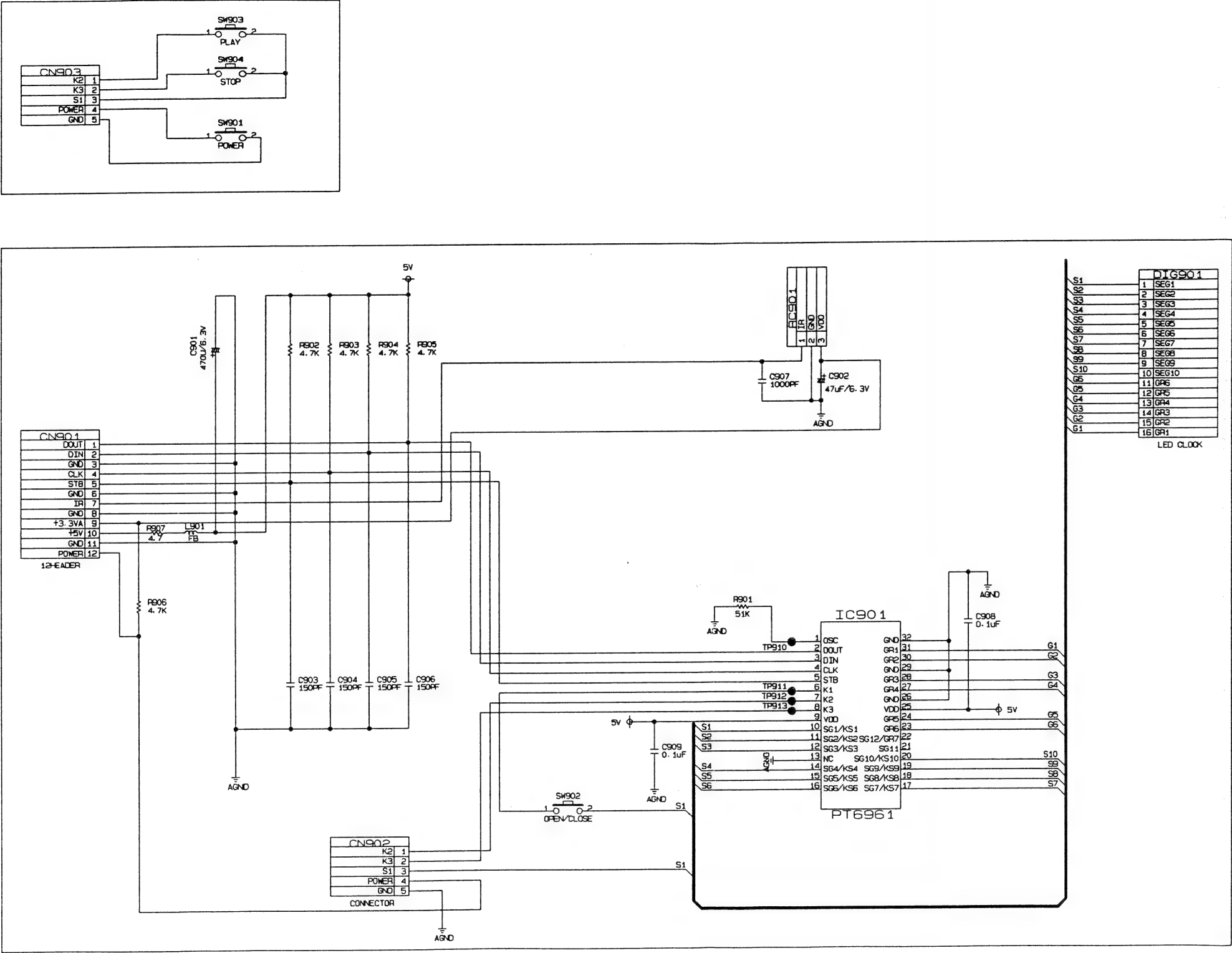
3. SYSTEM CIRCUIT DIAGRAM



4. DRIVER CIRCUIT DIAGRAM



5. TIMER CIRCUIT DIAGRAM



DESIGN SCHEMATIC TIMER (ZHANG YU)
DV9000'S MTK 2004/10/18
3B54R16005A (1.13)

• CIRCUIT VOLTAGE CHART

MODE PIN NO.	STOP	PLAY
IC201(9008)		
1	0	0
2	0	0
3	5.01	5.04
4	5.52	5.55
5	1.8	1.76
6	1.42	1.42
7	5.52	5.55
8	5.52	5.54
9	0	0
10	0	0
11	2.65	2.69
12	2.61	2.63
13	1.2	1.46
14	4.08	3.85
15	2.66	2.69
16	2.66	2.68
17	2.68	2.71
18	2.63	2.66
19	0	0
20	5.53	5.56
21	3.29	3.29
22	1.43	1.43
23	1.43	1.43
24	1.43	1.43
25	1.42	1.43
26	1.43	1.43
27	1.43	1.43
28	1.43	1.43
IC501		
1	0	0
2	1.73	0
3	1.73	1.73
4	1.73	1.73
5	1.73	1.73
6	1.75	1.73
7	2.15	1.74
8	2.2	2.21
9	2.18	2.18
10	2.16	0
11	2.14	2.14
12	1.74	1
13	1.04	1
14	1.03	1
15	0.12	1
16	0.13	0
17	0.12	1
18	0.13	2.05
19	2.05	0
20	2.05	0
21	2.05	0
22	2.38	0
23	3.29	0
24	3.3	3.3
25	0.21	1

MODE PIN NO.	STOP	PLAY
26	2.34	0
27	0	0
28	2.8	2.8
29	2	0
30	1.4	0
31	1.52	0
32	1.38	0
33	1.38	0
34	2.62	0
35	2.62	2.73
36	2.25	0
37	2.2	2.11
38	1.37	1.36
38	0	0
40	1.4	0
41	1.43	0
42	1.4	141
43	0	0
44	0	0
45	0	0
46	3.3	3.3
47	2.64	0
48	3.32	0
49	0.01	0
50	3.3	0
51	0	0
52	1.76	1.8
53	2.13	0
54	2.14	2.12
55	2.13	1.74
56	1.81	1.34
57	2.12	0
58	1.83	1.52
59	0	1.63
60	0	2.99
61	0	0
62	0	0
63	0	2.05
64	0	0
65	3.3	3.3
66	3.3	3.32
67	1.29	0
68	2.36	0.32
69	0	0.37
70	0.56	0.46
71	0	3.2
72	1.27	1.42
73	3.3	3.3
74	2.23	1.93
75	1.39	0
76	0	0
77	0	0
78	2.06	0
79	0	0
80	3.3	3.3

MODE PIN NO.	STOP	PLAY
81	1.2	1.07
82	0	0.82
83	1.17	0.77
84	0.64	0.54
85	0	0
86	1.44	0.53
87	1.65	1.77
88	1.4	1.53
89	0	0
90	1.21	1.2
91	1.02	1.03
92	0	0
93	2.06	1.93
94	0	0
95	3	2.74
96	3.28	3.25
97	1.8	1.8
98	3	2.7
99	3	2.7
100	2.97	2.67
101	0	2.68
102	3.33	3.32
103	3.33	3.32
104	3	2.7
105	5.18	5.18
106	3.32	3.31
107	2.76	2.75
108	3.3	3.3
109	0	0
110	5.2	5.2
111	2.67	2.92
112	3.14	3.18
113	2.28	1.6
114	0	0
115	1.06	0.85
116	0	0
117	1.04	1.09
118	1.28	0.94
119	0	0
120	1.18	1.65
121	1.36	1.7
122	1.8	1.75
123	1.26	1.51
124	1.23	1.4
125	1.28	1.16
126	0	0.86
127	3.3	3.3
128	2.35	1.28
129	1.8	1.05
130	0	1.1
131	1.39	1.25
132	1.37	1.27
133	1.31	1.3
134	0	0
135	1.33	1.37

MODE PIN NO.	STOP	PLAY
136	3.3	3.3
137	2.63	1.65
138	3.27	3.1
139	3	2.63
140	3.2	3.1
141	3.3	3.3
142	2.9	2.38
143	1.59	1.7
144	0	0
145	1.38	1.55
146	0.07	0
147	0.31	0.78
148	0	0
149	1.51	1.95
150	1.49	1.93
151	1.49	1.62
152	1.8	1.75
153	0	0
154	0	0
155	3.3	3.3
156	1.72	1.72
157	0.92	2.29
158	0	0
159	0	0
160	0	0
161	0	0
162	1.56	1.4
163	0	0
164	2.36	1.54
165	2.32	1.61
166	1.49	1.61
167	3.3	3.3
168	3.25	3.24
169	3.3	3.27
170	0	0
171	0	0
172	0	0
173	1.8	1.8
174	3.33	3.3
175	0	0
176	2.73	2.73
177	0	0
178	3.32	3.32
179	2.75	0
180	0	0
181	0	0
182	3.3	3.3
183	0	0
184	0	0
185	0	0
186	0	0
187	0	0
188	0	0
189	3.3	3.3
190	1.24	1.24

MODE PIN NO.	STOP	PLAY
191	1.25	1.24
192	2.26	2.25
193	0	0
194	0.46	0.47
195	3.3	3.3
196	0.7	0.7
197	0	0
198	3.28	3.29
199	3.3	3.3
200	0.42	0.43
201	0	0
202	0.57	0.38
203	0	0.42
204	3.3	3.3
205	0.25	2.62
206	2.72	2.64
207	2.71	2.63
208	0	0
209	0	0
210	0	0
211	0.1	3.3
212	3.3	3.3
213	1.31	1.66
214	1.67	1.64
215	1.58	1.57
216	0	0
IC502 (MX29LV800-70)		
1	3.2	3.17
2	0	3.17
3	3.2	3.17
4	3.2	0.97
5	3.2	3.16
6	3.2	3.16
7	0	3.16
8	0	3.16
9	0	3.16
10	0	1.02
11	3.2	3.16
12	5.25	5.25
13	0	2.73
14	1.54	3.19
15	1.33	1.71
16	3.2	2.43
17	3.2	3.17
18	3.2	3.16
19	1.7	3.17
20	2.2	3.17
21	0	3.17
22	0	3.17
23	0	0
24	0	0
25	0	0
26	0	0
27	0	0
28	3.2	3.17

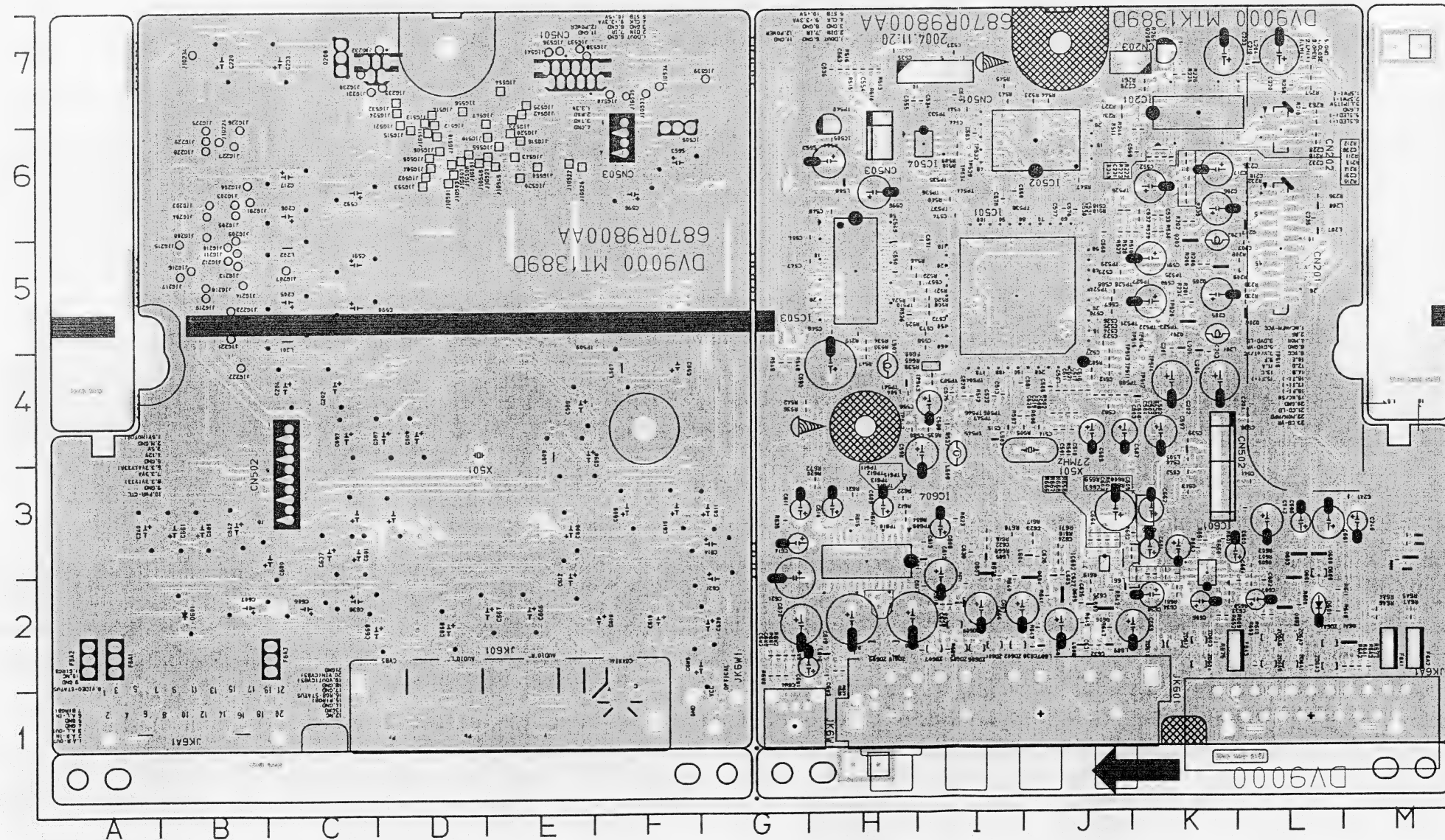
MODE PIN NO.	STOP	PLAY
29	3.2	3.17
30	0	0
32	0	0
33	0	0
34	0	0
35	3.2	0
36	0	0
37	3.2	3.23
38	3.26	0
39	3.2	3.17
40	0	0
41	3.2	3.17
42	0	0
43	0	3.17
44	0	0
45	0	0
46	0	0
47	0	0
48	3.2	3.17
IC503 (M12L16164A)		
1	3.25	3.23
2	2.85	2.86
3	3.25	3.22
4	2.87	2.87
5	2.85	2.5
6	0	0
7	2.81	2.1
8	2.9	2.04
9	3.25	3.22
10	2.85	2.1
11	2.87	2.91
12	1.9	0
13	2.8	
14	3.25	3.22
15	0	0
16	3.18	3.1
17	3.07	2.58
18	3.14	0.61
19	2.95	2.97
20	2.9	2.96
21	2.6	0.32
22	2.81	2.83
23	0.05	0.06
24	0.16	0.18
25	0.16	0.18
26	0.16	0.17
27	3.26	3.24
28	0	0.59
29	0.16	0.17
30	0.15	0.53
31	0.16	0.53
32	0.12	0.5
33	0.05	0.16
34	0.05	0.17
35	0.04	0.5

MODE PIN NO.	STOP	PLAY
36	2.85	0.08
37	3.26	3.236
38	1.79	1.78
39	0	0
40	2.7	0.1
41	2.7	0
42	2.9	2
43	3.26	3.23
44	2.92	1.95
45	2.92	2.01
46	0	0
47	2.92	2.03
48	2.94	2.17
49	3.26	3.23
50	2.91	2
51	2.94	2
52	0	0
53	2.9	1.85
54	0	0
IC601		
1	0	1.23
2	1.65	1.64
3	1.65	1.65
4	1.64	1.63
5	2.37	2.382
6	4.7	4.69
7	2.4	2.39
8	0	0
IC604 (MM1623)		
1	5.17	5.16
2	2.52	2.47
3	5.17	5.16
4	1.36	1.27
5	0	0
6	1.68	1.55
7	0	0
8	2.52	2.51
9	0	0
10	1.68	1.53
11	0	0
12	2.49	2.47
13	5.17	5.16
14	2.5	2.47
15	0	0
16	2.53	2.52
17	0	0
18	2.51	2.51
19	0	0
20	2.18	2
21	2.16	2.05
22	0	0
23	2.16	1.96
24	0.25	0.42
25	0.23	0.42
26	2.51	2.51

MODE PIN NO.	STOP	PLAY
27	0.53	0.8
28	5.17	5.16
IC901		
1	2.16	2.15
2	4.83	4.8
3	4.83	4.8
4	4.83	4.81
5	3.84	4.2
6	0	0.01
7	0	0.01
8	0	0.01
9	4.84	4.8
10	2.3	4.75
11	1.81	2.7
12	1.96	2.39
13	0	0
14	2.1	2.56
15	2.32	2.13
16	2.35	2.16
17	2.1	1.96
18	0.9	0.93
19	1.58	1.58
20	1.25	2.21
21	0.94	0.92
22	0.95	0.92
23	1.5	1.62
24	1.59	1.79
25	4.84	4.82
26	0	0
27	1.44	1.6
28	2.04	1.76
29	0	0
30	1.36	1.54
31	1.32	1.5
32	0	0
Q201		
Emitter	0	0
Collector	0	5.09
Base	0.68	0
Q202		
Emitter	0	0
Collector	0	0
Base	0	5.04
Q203		
Emitter	0	0
Collector	0	0.19
Base	5.04	0
Q204		
Emitter	5.14	4.34
Collector	0	2.42
Base	5.08	3

PRINTED CIRCUIT DIAGRAMS

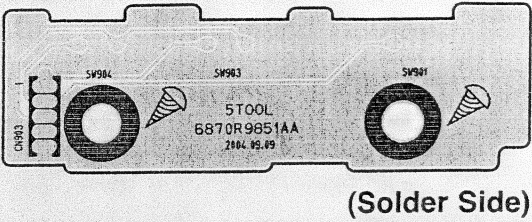
1. MAIN P.C.BOARD



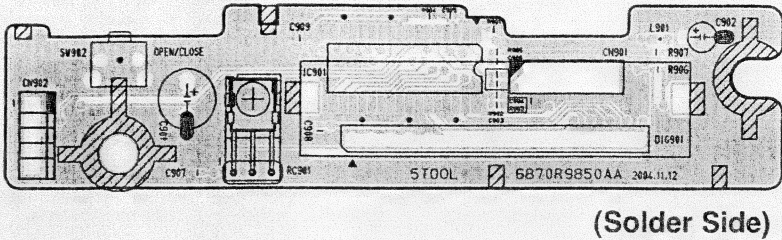
LOCATION GUIDE

J1G201	86	J1G508	06	C201	K4	C527	J5	C587	J4	C663	K2	L509	I4	R234	K5	R542	G4	R658	J3	TP525	K5
J1G202	86	J1G510	06	C202	K4	C528	I4	C589	I4	C664	J3	L601	I3	R235	K6	R543	I7	R659	K2	TP526	J6
J1G203	86	J1G511	06	C203	K4	C529	J5	C590	K5	C665	J3	L602	J2	R236	L6	R544	J7	R660	K3	TP527	K5
J1G204	86	J1G512	06	C204	K4	C530	J6	C591	K5	C666	J2	L603	J2	R238	L5	R545	I7	R661	K3	TP528	J5
J1G205	86	J1G513	07	C205	K5	C531	J6	C592	K6	C667	I2	L604	J3	R243	K6	R546	H5	R662	K3	TP529	J5
J1G206	86	J1G514	07	C206	K6	C532	K6	C593	H4	C668	J2	L605	I3	R244	K6	R547	J6	R663	J3	TP532	I6
J1G207	C5	J1G515	06	C207	L5	C533	K6	C595	H6	C669	K2	L606	I2	R260	L7	R548	G4	R665	I4	TP533	I6
J1G208	86	J1G516	05	C217	K5	C534	I7	C596	H6	C670	G2	L607	J2	R261	K7	R549	G4	R666	J3	TP534	I6
J1G209	85	J1G518	06	C218	L6	C535	H7	C597	K4	C671	G2	L608	J2	R262	L7	R600	L2	R667	J3	TP535	I6
J1G210	85	J1G520	06	C219	L7	C536	H7	C598	I4	C672	G2	L609	J2	R263	L7	R601	K3	R668	J3	TP536	I6
J1G211	85	J1G521	06	C220	L7	C537	I7	C599	L3	C673	H2	L610	H2	R265	L7	R602	K3	R669	I3	TP537	I6
J1G212	85	J1G522	06	C221	K6	C538	I4	C600	K3	C674	G2	L611	J2	R501	J4	R603	L3	R670	I3	TP538	I6
J1G213	85	J1G523	07	C226	L7	C539	K4	C601	K3	C675	H2	L612	K5	R502	J4	R604	K2	R671	J3	TP539	I6
J1G214	85	J1G524	07	C227	L7	C540	K3	C682	L2	C676	L5	L613	K5	R503	J4	R605	L2	R672	K3	TP540	H7
J1G215	85	J1G525	07	C228	L6	C541	L3	C683	K2	C677	L6	L614	K5	R504	H6	R606	K2	R673	I2	TP541	H4
J1G216	85	J1G526	06	C229	K7	C542	L3	C684	L2	C678	K7	L615	L5	R505	J4	R607	L2	R674	I2	TP542	H4
J1G217	85	J1G527	06	C230	K6	C543	K3	C685	K2	C679	I7	L616	L6	R506	J4	R608	K2	R675	K2	TP543	H4
J1G218	85	J1G528	06	C231	K6	C544	I6	C686	K2	C680	K4	L617	K7	R507	I4	R609	K2	R676	L2	TP544	H4
J1G219	85	J1G529	07	C232	L6	C545	I7	C687	L2	C681	H7	L618	L3	R508	I5	R610	L2	R677	H2	TP545	I4
J1G220	85	J1G530	07	C233	K7	C546	H6	C688	L3	C682	L2	L619	L2	R509	I6	R611	L2	R678	L2	TP546	I4
J1G221	85	J1G531	07	C234	K7	C547	H6	C689	K3	C683	L2	L620	L2	R510	I6	R612	H3	R680	M3	TP547	I4
J1G222	84	J1G532	07	C235	L6	C548	H6	C690	H3	C684	L2	L621	L2	R511	K6	R613	H3	R681	M3	TP548	I4
J1G223	85	J1G533	07	C236	L6	C549	H6	C691	H3	C685	L2	L622	L2	R512	K6	R614	H3	R682	M3	TP549	I4
J1G224	86	J1G534	07	C237	M3	C550	H6	C692	H3	C686	L2	L623	L2	R513	H7	R615	H3	R683	M3	TP550	I4
J1G225	86	J1G535	07	C238	M3	C551	H6	C693	H3	C687	L2	L624	L2	R514	H7	R616	H3	R684	M3	TP551	I4
J1G226	86	J1G536	07	C239	M3	C552	H6	C694	H3	C688	L2	L625	L2	R515	H7	R617	H3	R685	M3	TP552	I4
J1G227	86	J1G537	07	C240	M3	C553	H6	C695	H3	C689	L2	L626	L2	R516	H7	R618	H3	R686	M3	TP553	I4
J1G228	86	J1G538	07	C241	M3	C554	H6	C696	H3	C690	L2	L627	L2	R517	H7	R619	H3	R687	M3	TP554	I4
J1G229	86	J1G539	07	C242	M3	C555	H6	C697	H3	C691	L2	L628	L2	R518	H7	R620	H3	R688	M3	TP555	I4
J1G230	C7	J1G540	07	C243	M3	C556	H6	C698	H3	C692	L2	L629	L2	R519	H7	R621	H3	R689	M3	TP556	I4
J1G231	C7	J1G541	07	C244	M3	C557	H6	C699	H3	C693	L2	L630	L2	R520	H7	R622	H3	R690	M3	TP557	I4
J1G232	07	J1G542	07	C245	M3	C558	H6	C700	H3	C694	L2	L631	L2	R521	H7	R623	H3	R691	M3	TP558	I4
J1G233	07	J1G543	07	C246	M3	C559	H6	C701	H3	C695	L2	L632	L2	R522	H7	R624	H3	R692	M3	TP559	I4
J1G234	87	J1G544	07	C247	M3	C560	H6	C702	H3	C696	L2	L633	L2	R523	H7	R625	H3	R693	M3	TP560	I4
J1G235	06	J1G545	07	C248	M3	C561	H6	C703	H3	C697	L2	L634	L2	R524	H7	R626	H3	R694	M3	TP561	I4
J1G236	06	J1G546	07	C249	M3	C562	H6	C704	H3	C698	L2	L635	L2	R525	H7	R627	H3	R695	M3	TP562	I4
J1G237	06	J1G547	07	C250	M3	C563	H6	C705	H3	C699	L2	L636	L2	R526	H7	R628	H3	R696	M3	TP563	I4
J1G238	06	J1G548	07	C251	M3	C564	H6	C706	H3	C700	L2	L637	L2	R527	H7	R629	H3	R697	M3	TP564	I4
J1G239	06	J1G549	07	C252	M3	C565	H6	C707	H3	C701	L2	L638	L2	R528	H7	R630	H3	R698	M3	TP565	I4
J1G240	06	J1G550	07	C253	M3	C566	H6	C708	H3	C702	L2	L639	L2	R529	H7	R631	H3	R699	M3	TP566	I4
J1G241	06	J1G551	07	C254	M3	C567	H6	C709	H3	C703	L2	L640	L2	R530	H7	R632	H3	R700	M3	TP567	I4
J1G242	06	J1G552	07	C255	M3	C568	H6	C710	H3	C704	L2	L641	L2	R531	H7	R633	H3	R701	M3	TP568	I4
J1G243	06	J1G553	07	C256	M3	C569	H6	C711	H3	C705	L2	L642	L2	R532	H7	R634	H3	R702	M3	TP569	I4
J1G244	06	J1G554	07	C257	M3	C570	H6	C712	H3	C706	L2	L643	L2	R533	H7	R635	H3	R703	M3	TP570	I4
J1G245	06	J1G555	07	C258	M3	C571	H6	C713	H3	C707	L2	L644	L2	R534	H7	R636	H3	R704	M3	TP571	I4
J1G246	06	J1G556	07	C259	M3	C572	L5	C572	L5	C708	L2	L645	L2	R535	H7	R637	H3	R705	M3	TP572	I4
J1G247	06	J1G557	07	C260	M3	C573	L5	C573	L5	C709	L2	L646	L2	R536	H7	R638	H3	R706	M3	TP573	I4
J1G248	06	J1G558	07	C261	M3	C574	L6	C574	L6	C710	L2	L647	L2	R537	H7	R639	H3	R707	M3	TP574	I4
J1G249	06	J1G559	07	C262	M3	C575	L6	C575	L6	C711	L2	L648	L2	R538	H7	R640	H3	R708	M3	TP575	I4
J1G250	06	J1G560	07	C263	M3	C576	J6	C576	J6	C712	L6	L649	L2	R539	H7	R641	H3	R709	M3	TP576	I4
J1G251	06	J1G561	07	C264	M3	C577	H6	C577	H6	C713	L6	L650	L2	R540	H7	R642	H3	R710	M3	TP577	I4
J1G252	06	J1G562	07	C265	M3	C578	H6	C578	H6	C714	L6	L651	L2	R541	H7	R643	H3	R711	M3	TP578	I4
J1G253	06	J1G563	07	C266	M3	C579	H6	C579	H6	C715	L6	L652	L2	R542	H7	R644	H3	R712	M3	TP579	I4
J1G254	06	J1G564	07	C267	M3	C580	H6	C580	H6	C716	L6	L653	L2	R543	H7	R645	H3	R713	M3	TP580	I4
J1G255	06	J1G565	07	C268	M3	C581	L4	C581	L4	C717	L6	L654	L2	R544	H7	R646	H3	R714	M3	TP581	I4
J1G256	06	J1G566	07	C269	M3	C582	J4	C582	J4	C718	L6	L655	L2	R545	H7	R647	H3	R715	M3	TP582	I4
J1G257	06	J1G567	07	C270	M3	C583	L4	C583	L4	C719	L6	L656	L2	R546	H7	R648	H3	R716	M3	TP583	I4
J1G258	06	J1G568	07	C271	M3	C584	L4	C584	L4	C720	L6	L657	L2	R547	H7	R649	H3	R717	M3	TP584	I4
J1G259	06	J1G569	07	C272	M3	C585	L4	C585	L4	C721	L6	L658	L2	R548	H7	R650	H3	R718	M3	TP585	I4
J1G260	06	J1G570	07	C273	M3	C586	L4	C586	L4	C722	L6	L659	L2	R549	H7	R651	H3	R719	M3	TP586	I4
J1G261	06	J1G571	07	C274	M3	C587	L4	C587	L4	C723	L6	L660	L2	R550	H7	R652	H3	R720	M3	TP587	I4
J1G262	06	J1G572	07	C275	M3	C588	L4	C588	L4	C724	L6	L661	L2	R551	H7	R653	H3	R721	M3	TP588	I4
J1G263	06	J1G573	07	C276	M3	C589	L4	C589	L4	C725	L6	L662	L2	R552	H7	R654	H3	R722	M3	TP589	I4
J1G264	06	J1G574	07	C277	M3	C590	L4	C590	L4	C726	L6	L663	L2	R553	H7	R655	H3	R723	M3	TP590	I4
J1G265	06	J1G575	07	C278	M3	C591	L4	C591	L4	C727	L6	L664	L2	R554	H7	R656	H3	R724	M3	TP591	I4
J1G266	06	J1G576	07	C279	M3	C592	L4	C592	L4	C728	L6	L665	L2	R555	H7	R657	H3	R725	M3	TP592	I4
J1G267	06	J1G577	07	C280	M3	C593	L4	C593	L4	C729	L6	L666	L2	R556	H7	R658	H3	R726	M3	TP593	I4
J1G268	06	J1G578	07	C281	M3	C594	L4	C594	L4	C730	L6	L667	L2	R557	H7	R659	H3	R727	M3	TP594	I4
J1G269	06	J1G579	07	C282	M3	C595	L4	C595	L4	C731	L6	L668	L2	R558	H7	R660	H3	R728	M3	TP595	I4
J1G270	06	J1G580	07	C283	M3	C596	L4	C596	L4	C732	L6	L669	L2	R559	H7	R661	H3	R729	M3	TP596	I4
J1G271	06	J1G581	07	C284	M3	C597	L4	C597	L4	C733	L6	L670	L2	R560	H7	R662	H3	R730	M3	TP597	I4
J1G272	06	J1G582	07	C285	M3	C598	L4	C598	L4	C734	L6	L671	L2	R561	H7	R663	H3	R731	M3	TP598	I4
J1G273	06	J1G583	07	C286	M3	C599	L4	C599	L4	C735	L6	L672	L2	R562	H7	R664	H3	R732	M3	TP599	I4</

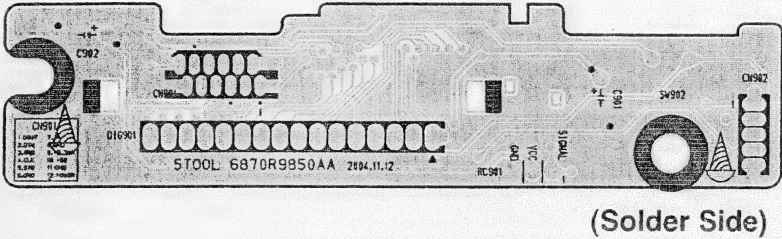
2. KEY P.C.BOARD



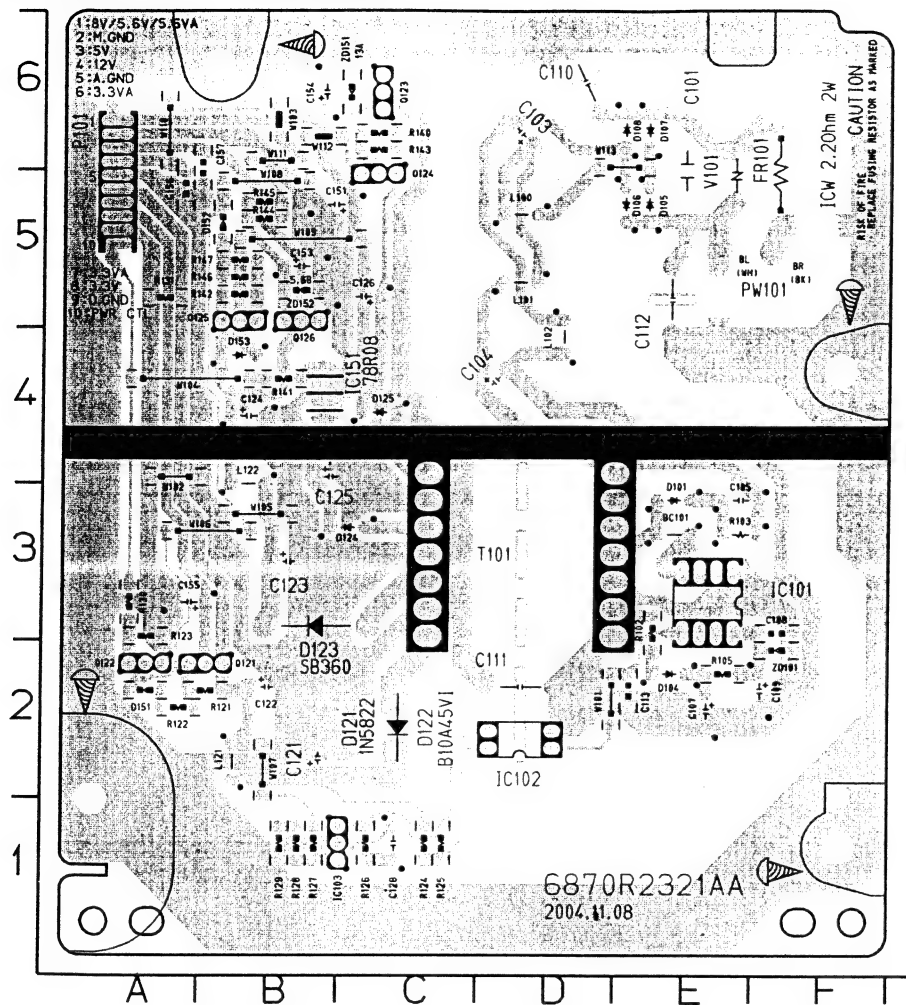
3. TIMER P.C.BOARD
(TOP VIEW)



(BOTTOM VIEW)



4. SMPS P.C.BOARD



LOCATION GUIDE

BC101	E3	IC103	C1
C101	E5	IC151	B4
C103	D6	L100	D5
C104	D4	L101	D5
C105	E3	L102	D4
C107	E2	L121	B2
C108	F3	L122	B3
C109	F2	P101	A6
C110	D6	PW101	E5
C111	D2	Q121	B2
C112	E5	Q122	A2
C113	E2	Q123	C6
C121	B2	Q124	C5
C122	B2	Q125	B5
C123	B3	Q126	B5
C124	B4	R102	E3
C125	B4	R103	E3
C126	C5	R105	E2
C128	C1	R121	B2
C151	B5	R122	A2
C153	B5	R123	A3
C154	B6	R124	C1
C155	A3	R125	C1
C156	A5	R126	C1
C157	B6	R127	B1
D101	E3	R128	B1
D104	E2	R129	B1
D105	E5	R130	A3
D106	E5	R131	A5
D107	E6	R140	C6
D108	E6	R141	B4
D121	C2	R142	B5
D122	C2	R143	C6
D123	B3	R144	B5
D124	C3	R145	B5
D125	C4	R146	B5
D151	A2	R147	B5
D152	B5	T101	D3
D153	B4	V101	E5
FR101	F5	ZD101	F2
IC101	E3	ZD151	C6
IC102	D2	ZD152	B5

(Solder Side)

Nr lokalizacji	Nr katalogowy cz?ści	Date part began being used	Data zako?czenia	Opis	Kod Zmienia?	Nr kat. cz?ści	Pochodzenie	Uwagi
	1 3300R-0547A	2002-11-08		PLATE	V		SH	
	2 5016H-1016B	2002-11-08		MAGNET	V		SH	
	3 4860R-0021A	2002-11-08		CLAMP	V		SH	
	10 6850R-JW24Y	2004-09-20		CABLE,FLAT	R		SH	
	12 5040R-0083A	2004-09-20		RUBBER	R		SH	
012A	5040R-0110A	2004-09-20		RUBBER	R		SH	
	13 4400R-0010A	2004-09-20		BELT	R		SH	
	14 4470R-0154A	2004-09-20		GEAR	R		SH	
	15 4681R-A015A	2004-09-20		MOTOR ASSEMBLY	R		SH	
015A	4680R-E008A	2004-09-20		MOTOR(MECH)	V		SH	
015B	4560R-0008A	2004-09-20		PULLEY	R		SH	
	16 6871R-9290A	2004-09-20		PWB(PCB) ASSEMBLY,TO	R		SH	
	17 4470R-0176A	2004-09-20		GEAR	R		SH	
	18 4974R-0066A	2004-09-20		GUIDE	R		SH	
	19 3210R-M007A	2004-09-20		FRAME	R		SH	
	20 3040R-M062A	2004-09-20		BASE	R		SH	
	21 4681R-B009A	2004-11-09		MOTOR ASSEMBLY	R		SH	
	24 4470R-0179A	2004-09-20		GEAR	R		SH	
	25 4470R-0178A	2004-09-20		GEAR	R		SH	
	26 3390R-0029A	2004-09-20		TRAY	R		SH	
	30 4470R-0180A	2004-09-20		GEAR	R		SH	
	35 6871R-9291A	2004-09-20		PWB(PCB) ASSEMBLY,TO	R		SH	
035A	6850R-GF10Z	2004-09-20		CABLE,FLAT	R		SH	
	36 4370R-0136A	2004-09-20		SHAFT	R		SH	
	250 3110R-D024A	2004-11-29		CASE	R		SH	
	260 3140R-D021A	2004-11-29		CHASSIS	V		SH	
	261 5040R-0069Q	2004-11-29		RUBBER	R		SH	
	280 3721R-F882A	2004-11-29		PANEL ASSEMBLY,FRONT	V		SH	
	283 3581R-T130A	2004-11-29		DOOR ASSEMBLY	R		SH	
	300 6410RCHX03A	2004-11-29		POWER CORD	R		SH	
	320 3720R-D121G	2004-11-29		PANEL,VIDEO	R		SH	
	430 1SZZR-0064B	2004-09-20		SCREW,DRAWING	R		SH	
	431 1SZZR-0062A	2004-09-20		SCREW,DRAWING	R		SH	
	432 1SZZR-0072A	2004-09-20		SCREW,DRAWING	R		SH	
	435 1SZZR-0011A	2004-09-20		SCREW,DRAWING	R		SH	
	435 1SZZR-0011A	2004-09-20		SCREW,DRAWING	R		SH	
	438 1SZZR-0075A	2004-09-20		SCREW,DRAWING	R		SH	
	439 1SZZR-0075A	2004-09-20		SCREW,DRAWING	R		SH	
	440 1SZZH-1007B	2004-09-20		SCREW,DRAWING	R		SH	
	452 353-051A	2004-11-29		SCREW,DRAWING	R		SH	
	463 353-051G	2004-11-29		SCREW,DRAWING	R		SH	
	465 353-046K	2004-11-29		SCREW,DRAWING	R		SH	
	467 353-046N	2004-11-29		SCREW,DRAWING	R		SH	
	801 3835RD0045L	2005-01-05		INSTRUCTION ASSEMBLY	R		SH	
	802 3890RCG006B	2004-11-29		BOX,SHIPPING	R		SH	
	803 3920R-E141A	2004-11-29		PACKING	R		SH	
	804 3880R-E002A	2004-11-29		BAG,VINYL	V		SH	
	808 6910A90004A	2004-11-29		BATTERY,ALKALINE	R		SH	
	808 841-0021	2004-11-29		BATTERY,MN	R		SH	
	900 6711R1P089A	2004-12-27		REMOTE CONTROLLER AS	R		SH	
A00	6721RHD040A	2004-11-29		DECK ASSEMBLY,AUDIO	V		SH	
A01	4861R-0016B	2004-09-20		CLAMP ASSEMBLY	R		SH	
A02	3041R-D023A	2004-09-20		BASE ASSEMBLY	R		SH	
A03	3041R-M066A	2004-09-20		BASE ASSEMBLY	R		SH	
A42	6871R-9851A	2004-11-29		PWB(PCB) ASSEMBLY,TO	R		SH	
A43	3501RF0520A	2004-11-29		BOARD ASSEMBLY	R		SH	
A44	3141R-D057G	2004-11-29		CHASSIS ASSEMBLY	R		SH	
A46	6885R-1037S	2004-11-29		SUB PWB(PCB) ASSEMBL	R		SH	
A47	6871R-2327B	2004-11-29		PWB(PCB) ASSEMBLY,TO	R		SH	
A49	6871R-9850A	2004-11-29		PWB(PCB) ASSEMBLY,TO	R		SH	
C101	624-088J	2004-10-21		CAPACITOR,DRAWING	R		SH	
C101	624-088L	2004-10-21		CAPACITOR,DRAWING	R		SH	
C101	624-088S	2004-10-21		CAPACITOR,DRAWING	R		SH	
C103	0CZZR00011A	2004-11-05		CAPACITOR,DRAWING	R		SH	
C104	0CZZR00011A	2004-11-05		CAPACITOR,DRAWING	R		SH	
C105	624-087J	2004-10-21		CAPACITOR,FIXED CERA	R		SH	
C109	0CE1064F638	2004-10-21		CAPACITOR,FIXED ELEC	R		SH	
C110	0CG1020U630	2004-10-21		CAPACITOR,FIXED CERA	R		SH	
C111	0CG1020U630	2004-10-21		CAPACITOR,FIXED CERA	R		SH	
C113	0CN1020K518	2004-10-21		CAPACITOR TUBULA(HIG	R		SH	
C121	0CE108BF630	2004-10-21		CAPACITOR,FIXED ELEC	R		SH	
C122	0CE3376D638	2004-10-21		CAPACITOR,FIXED ELEC	R		SH	
C123	0CE108BF630	2004-10-21		CAPACITOR,FIXED ELEC	R		SH	
C124	0CE3376D638	2004-10-21		CAPACITOR,FIXED ELEC	R		SH	
C126	624-085D	2004-10-21		CAPACITOR,FIXED ELEC	R		SH	
C128	0CQ1042K409	2004-10-21		CAPACITOR,FIXED FILM	R		SH	
C153	0CE4754K638	2004-10-21		CAPACITOR,FIXED ELEC	R		SH	
C154	0CE4754K638	2004-10-21		CAPACITOR,FIXED ELEC	R		SH	
C155	0CE1074F638	2004-10-21		CAPACITOR,AL ELECTRO	R		SH	
C156	0CN223AK948	2004-10-21		CAPACITOR,TUBULAR(HI	R		SH	
C157	0CN223AK948	2004-10-21		CAPACITOR,TUBULAR(HI	R		SH	
C201	0CH1104K942	2004-10-12		CAPACITOR,FIXED CERA	R		SH	
C202	0CE2274C638	2004-12-14		CAPACITOR,FIXED ELEC	R		SH	
C203	0CH1104K942	2004-10-12		CAPACITOR,FIXED CERA	R		SH	
C204	0CE2274C638	2004-12-14		CAPACITOR,FIXED ELEC	R		SH	
C205	0CE4764C638	2004-12-14		CAPACITOR,FIXED ELEC	R		SH	
C206	0CE4764C638	2004-12-14		CAPACITOR,FIXED ELEC	R		SH	
C207	0CH1104K942	2004-10-12		CAPACITOR,FIXED CERA	R		SH	
C217	0CE1074C638	2004-12-14		CAPACITOR,FIXED ELEC	R		SH	
C218	0CH1104K942	2004-10-12		CAPACITOR,FIXED CERA	R		SH	
C219	0CH1104K942	2004-10-12		CAPACITOR,FIXED CERA	R		SH	
C220	0CE2274C638	2004-12-14		CAPACITOR,FIXED ELEC	R		SH	
C221	0CH1332K562	2004-10-12		CAPACITOR,FIXED CERA	R		SH	

C230	0CH1222K562	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C231	0CH1222K562	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C233	0CE2274C638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C235	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C236	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C240	0CE2264F638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C241	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C501	0CH4391K412	2004-12-07	CAPACITOR, FIXED CERA	R	SH
C502	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C503	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C504	0CH1103K562	2004-10-14	CAPACITOR, FIXED CERA	R	SH
C505	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C506	0CH1222K562	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C507	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C508	0CH4200K412	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C509	0CE1064F638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C511	0CH1102K562	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C512	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C513	0CH1682K562	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C514	0CH4220K412	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C515	0CH4220K412	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C516	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C517	0CH1333K562	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C518	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C519	0CH1473K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C520	0CH1473K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C521	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C522	0CH1152K562	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C523	0CH1105D942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C524	0CH1105D942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C525	0CH1105D942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C526	0CH1105D942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C527	0CH1105D942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C528	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C529	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C530	0CH4361K412	2004-12-07	CAPACITOR, FIXED CERA	R	SH
C531	0CH4181K412	2004-11-16	CAPACITOR, FIXED CERA	R	SH
C532	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C533	0CH1153K562	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C534	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C535	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C536	0CH4221K412	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C537	0CH4221K412	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C538	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C539	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C540	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C541	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C542	0CE2274C638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C543	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C544	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C545	0CH4221K412	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C546	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C547	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C548	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C549	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C550	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C551	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C552	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C556	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C557	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C558	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C559	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH
C560	0CH1104K942	2004-10-12	CAPACITOR, FIXED CERA	R	SH

C608	OCE1054K638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C609	OCE1054K638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C610	OCE1054K638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C611	OCE1054K638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C612	OCE4764C638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C613	OCH1104K942	2004-11-26	CAPACITOR, FIXED CERA	R	SH
C614	OCE2264F638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C617	OCH1104K942	2004-11-26	CAPACITOR, FIXED CERA	R	SH
C618	OCE108CC638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C619	OCE108CC638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C620	OCE4775C638	2005-01-07	CAPACITOR, FIXED ELEC	R	SH
C621	OCE4775C638	2005-01-07	CAPACITOR, FIXED ELEC	R	SH
C633	OCH1392K562	2004-11-26	CAPACITOR, FIXED CERA	R	SH
C634	OCH1392K562	2004-11-26	CAPACITOR, FIXED CERA	R	SH
C637	OCE1064F638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C638	OCE1064F638	2004-12-14	CAPACITOR, FIXED ELEC	R	SH
C6W0	OCH1331K412	2004-11-26	CAPACITOR, FIXED CERA	R	SH
C6W0	OCH4331K412	2004-11-26	CAPACITOR, FIXED CERA	R	SH
C6W1	OCH1104K942	2004-11-26	CAPACITOR, FIXED CERA	R	SH
C6W2	OCH1104K942	2004-11-26	CAPACITOR, FIXED CERA	R	SH
C901	OCE4775C638	2004-10-27	CAPACITOR, FIXED ELEC	R	SH
C902	OCE4764C638	2004-10-25	CAPACITOR, FIXED ELEC	R	SH
C903	OCH4151K412	2004-10-25	CAPACITOR, FIXED CERA	R	SH
C904	OCH4151K412	2004-10-25	CAPACITOR, FIXED CERA	R	SH
C905	OCH4151K412	2004-10-25	CAPACITOR, FIXED CERA	R	SH
C906	OCH4151K412	2004-10-25	CAPACITOR, FIXED CERA	R	SH
C907	OCH1102K512	2004-10-25	CAPACITOR, FIXED CERA	R	SH
C908	OCH1104K942	2004-10-25	CAPACITOR, FIXED CERA	R	SH
C909	OCH1104K942	2004-10-25	CAPACITOR, FIXED CERA	R	SH
CN201	6630XE00123	2004-10-12	CONNECTOR (CIRC), FFC	R	SH
CN202	6630XE00106	2004-10-12	CONNECTOR (CIRC), FFC	R	SH
CN203	6630R-FB10E	2004-11-26	CONNECTOR (CIRC), FFC	R	SH
CN501	6630R-FB10L	2004-11-26	CONNECTOR (CIRC), FFC	R	SH
CN502	561-711J	2004-12-08	CONNECTOR (CIRC), WAF	R	SH
CN901	6630R-FB05L	2004-10-25	CONNECTOR (CIRC), FFC	R	SH
CN902	561-711E	2004-11-12	CONNECTOR (CIRC), WAF	R	SH
CN903	6631R-E078N	2004-12-10	CONNECTOR ASSEMBLY	R	SH
D101	ODD221009AA	2004-10-21	DIODE, RECTIFIERS	R	SH
D101	ODR400709AA	2004-10-21	DIODE, RECTIFIERS	R	SH
D101	ODRRE00163A	2004-10-21	DIODE, RECTIFIERS	R	SH
D105	ODRGF00309A	2004-10-21	DIODE, RECTIFIERS	R	SH
D106	ODRGF00309A	2004-10-21	DIODE, RECTIFIERS	R	SH
D107	ODRGF00309A	2004-10-21	DIODE, RECTIFIERS	R	SH
D108	ODRGF00309A	2004-10-21	DIODE, RECTIFIERS	R	SH
D121	ODR158220AA	2004-10-21	DIODE, RECTIFIERS	R	SH
D121	ODR810040BA	2004-10-21	DIODE, RECTIFIERS	R	SH
D121	ODRGF00210A	2004-10-21	DIODE, RECTIFIERS	R	SH
D123	ODSGF00030A	2004-10-21	DIODE, SWITCHING	R	SH
D125	ODD010009AC	2004-10-21	DIODE, RECTIFIERS	R	SH
D125	ODR104009BA	2004-10-21	DIODE, RECTIFIERS	R	SH
D125	ODRGF00239A	2004-10-21	DIODE, RECTIFIERS	R	SH
D151	ODS141489BB	2004-10-21	DIODE, SWITCHING	R	SH
D601	ODS141489BB	2005-01-17	DIODE, SWITCHING	R	SH
DIG901	6301R2U014A	2004-10-25	LED ASSEMBLY	R	SH
F6A1	6200HJC901A	2004-12-14	FILTER(CIRC), EMC	R	SH
F6A2	6200HJC901A	2004-12-14	FILTER(CIRC), EMC	R	SH
F6A3	6200HJC901A	2004-12-14	FILTER(CIRC), EMC	R	SH
FR101	ORF0221K634	2004-10-21	RESISTOR, VARIABLE[CA	R	SH
IC101	OIPMGON024A	2004-10-21	IC, POWER MANAGEMENT	R	SH
IC102	6500RDB010A	2004-10-21	SENSOR	R	SH
IC102	657-063A	2004-10-21	SENSOR	R	SH
IC103	OIKE431000A	2005-01-14	IC, KEC	R	SH
IC103	OIPMGUK001A	2005-01-14	IC, POWER MANAGEMENT	R	SH
IC103	OISS431000A	2005-01-14	IC, SAMSUNG ELECTRONI	R	SH
IC201	OILNRIJ002A	2004-10-12	IC, LINEAR	R	SH
IC501	OILNRNF010A	2004-10-15	IC, LINEAR	R	SH
IC502A	6957R-020CA	2005-01-08	PROGRAM	R	SH
IC503	OIMMRB006C	2004-12-27	IC, MEMORIES	R	SH
IC503	OIMMRHY001G	2004-12-27	IC, MEMORIES	R	SH
IC504	OIMMRSE002A	2004-11-18	IC, MEMORIES	R	SH
IC504	OISS240210A	2004-11-18	IC, SAMSUNG ELECTRONI	R	SH
IC505	OIKE702900D	2005-01-06	IC, LINEAR	R	SH
IC505	OIPMGA0014A	2005-01-06	IC, POWER MANAGEMENT	R	SH
IC505	OIPMGAU007A	2005-01-06	IC, POWER MANAGEMENT	R	SH
IC601	OILNRAU017A	2004-11-26	IC, LINEAR	R	SH
IC604	OIPRPMT008A	2004-11-26	IC, PERIPHERALS	R	SH
IC901	OIPRPY007A	2004-10-29	IC, PERIPHERALS	R	KR
JK601	6612J00044F	2004-11-26	JACK, RCA	R	SH
JK6A1	6612M00003B	2004-11-26	JACK, SCART	R	SH
L100	6140RCC003K	2004-10-21	COIL, RF	R	SH
L101	6140RCC003J	2004-10-21	COIL, RF	R	SH
L102	6140RCC003J	2004-10-21	COIL, RF	R	SH
L121	6140R-C011A	2004-10-21	COIL, RF	R	SH
L121	633-088G	2004-10-21	COIL, CHOKE	R	SH
L122	6140R-C011A	2004-10-21	COIL, RF	R	SH
L122	633-088G	2004-10-21	COIL, CHOKE	R	SH
L201	OLR0102J025	2004-12-14	INDUCTOR, RADIAL LEAD	R	SH
L202	OLR0102J025	2004-12-14	INDUCTOR, RADIAL LEAD	R	SH
L204	6200HJC102A	2004-10-12	FILTER(CIRC), EMC	R	SH
L205	6200HJC102A	2004-10-12	FILTER(CIRC), EMC	R	SH
L206	6200HJC102A	2004-10-12	FILTER(CIRC), EMC	R	SH
L207	6200HJC102A	2004-10-12	FILTER(CIRC), EMC	R	SH
L208	OLCCE00004E	2004-10-12	INDUCTOR, CHIP	R	SH
L502	6200HJC102A	2004-11-16	FILTER(CIRC), EMC	R	SH
L503	6200HJC102A	2004-11-16	FILTER(CIRC), EMC	R	SH
L504	6200HJC102A	2004-11-16	FILTER(CIRC), EMC	R	SH
L505	6200HJC102A	2004-11-16	FILTER(CIRC), EMC	R	SH

L507	0LR0102J025	2004-12-14	INDUCTOR,RADIAL LEAD	R	SH
L508	6200HJC102A	2004-11-16	FILTER(CIRC),EMC	R	SH
L509	0LR0331K025	2004-12-14	INDUCTOR,RADIAL LEAD	R	SH
L601	6200HJC102A	2004-12-09	FILTER(CIRC),EMC	R	SH
L901	6200HJC102A	2004-10-25	FILTER(CIRC),EMC	R	SH
P101	6631R-E078L	2004-11-10	CONNECTOR ASSEMBLY	R	SH
PW101	6630V90108A	2004-10-21	CONNECTOR (CIRC),WAF	R	SH
Q121	0TR127309AA	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q121	0TR127709AB	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q121	0TR928009AD	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q122	0TR319809AC	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q122	0TR319909AF	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q122	0TR534309BA	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q123	0TR320309AA	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q123	0TR534409AA	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q124	0TR103009AF	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q124	0TR220309AF	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q126	0TR186209AB	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q126	0TR232809AB	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q126	0TR320509AB	2005-01-14	TRANSISTOR,BIPOLARS	R	SH
Q201	0TR103709BB	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q201	0TR150409AC	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q201	0TRAU80008A	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q201	0TRON80008A	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q202	0TR103709BB	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q202	0TR150409AC	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q202	0TRAU80008A	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q202	0TRON80008A	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q205	0TR387509AC	2004-10-15	TRANSISTOR,BIPOLARS	R	SH
Q205	0TRAU80017A	2004-10-15	TRANSISTOR,BIPOLARS	R	SH
Q205	0TRON80009A	2004-10-15	TRANSISTOR,BIPOLARS	R	SH
Q206	0TRRH80042A	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q207	0TRRH80042A	2004-10-12	TRANSISTOR,BIPOLARS	R	SH
Q208	0TR127309AA	2004-12-29	TRANSISTOR,BIPOLARS	R	SH
Q208	0TR127709AB	2004-12-29	TRANSISTOR,BIPOLARS	R	SH
Q208	0TR928009AD	2004-12-29	TRANSISTOR,BIPOLARS	R	SH
Q600	0TR103709BB	2004-11-26	TRANSISTOR,BIPOLARS	R	SH
Q600	0TRAU80008A	2004-11-26	TRANSISTOR,BIPOLARS	R	SH
Q600	0TRON80008A	2004-11-26	TRANSISTOR,BIPOLARS	R	SH
Q601	0TR387509AC	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q601	0TRAU80017A	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q601	0TRON80009A	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q602	0TR387509AC	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q602	0TRAU80017A	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q602	0TRON80009A	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q603	0TR103009AC	2004-11-26	TRANSISTOR,BIPOLARS	R	SH
Q603	0TRAU80012A	2004-11-26	TRANSISTOR,BIPOLARS	R	SH
Q603	0TRON80007A	2004-11-26	TRANSISTOR,BIPOLARS	R	SH
Q608	0TR387509AC	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q608	0TRAU80017A	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q608	0TRON80009A	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q6A1	0TR387509AC	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q6A1	0TRAU80017A	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
Q6A1	0TRON80009A	2005-01-08	TRANSISTOR,BIPOLARS	R	SH
R103	0RS2203J618	2004-11-01	RESISTOR,FIXED METAL	R	SH
R121	0RD1001F608	2004-10-21	RESISTOR,FIXED CARBON FILM	R	SH
R122	0RD3300F608	2004-10-21	RESISTOR,FIXED CARBO	R	SH
R123	0RD4702F608	2004-10-21	RESISTOR,FIXED CARBON FILM	R	SH
R124	0RD3900F608	2004-10-21	RESISTOR,FIXED CARBO	R	SH
R125	0RD3301F608	2004-12-15	RESISTOR,FIXED CARBO	R	SH
R127	0RN1001F408	2004-10-21	RESISTOR,FIXED METAL	R	SH
R128	0RN3001F408	2004-10-21	RESISTOR,FIXED METAL	R	SH
R130	0RD1002F608	2004-10-21	RESISTOR,FIXED CARBON FILM	R	SH
R140	0RD2200F608	2004-10-21	RESISTOR,FIXED CARBO	R	SH
R143	0RD2200F608	2004-10-21	RESISTOR,FIXED CARBO	R	SH
R144	0RD1001F608	2004-10-21	RESISTOR,FIXED CARBON FILM	R	SH
R145	0RD1001F608	2004-10-21	RESISTOR,FIXED CARBON FILM	R	SH
R201	0RH0471C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R202	0RH0471C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R205	0RH1002C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R206	0RH1003C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R208	0RH1002C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R209	0RH1003C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R210	0RH0101D622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R211	0RJ7503C677	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R212	0RH3903C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R213	0RH3903C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R214	0RJ7503C677	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R215	0RH0000C622	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R219	0RH1002C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R222	0RH1001C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R223	0RH1002C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R225	0RH1502C422	2004-12-17	RESISTOR,METAL GLAZE	R	SH
R226	0RH2702C422	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R227	0RH1202C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R231	0RH1001C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R232	0RH0000C622	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R233	0RH0000C622	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R236	0RH6802C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R238	0RH0000C622	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R243	0RH2201C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R244	0RH1002C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R265	0RH0000C622	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R501	0RJ7503C677	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R502	0RH1003C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R503	0RH1502C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R504	0RH3301C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH

R505	ORH1003C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R506	ORH0000C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R507	ORH0000C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R509	ORH1001C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R510	ORH1001C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R511	ORH0000C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R512	ORH5600D622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R517	ORH0000C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R518	ORH0101D622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R519	ORH0101D622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R520	ORH0332C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R521	ORH0332C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R522	ORH0332C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R524	ORH0332C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R525	ORH0332C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R526	ORH0332C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R527	ORH1002C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R528	ORH1802C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R529	ORH1802C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R530	ORH1202C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R533	ORH0000C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R534	ORH0000C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R535	ORH0000C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R536	ORH0000C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R537	ORH1001C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R538	ORH0682C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R539	ORH1001C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R540	ORH1002C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R541	ORH1002C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R543	ORH0332C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R544	ORH0332C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R545	ORH1002C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R546	ORH0332C622	2004-10-12	RESISTOR,METAL GLAZE	R	SH
R547	ORH1002C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R548	ORH1002C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R549	ORH1002C622	2004-11-16	RESISTOR,METAL GLAZE	R	SH
R600	ORH1001C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R601	ORH0000C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R602	ORH0000C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R603	ORH6801C622	2004-12-06	RESISTOR,METAL GLAZE	R	SH
R604	ORH6801C622	2004-12-06	RESISTOR,METAL GLAZE	R	SH
R605	ORH2202C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R606	ORH2202C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R607	ORH5101C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R608	ORH5101C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R609	ORH2200C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R610	ORH2200C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R611	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R614	ORH0000C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R616	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R617	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R618	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R619	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R620	ORH0000C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R621	ORH0000C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R622	ORH0000C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R623	ORH0000C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R626	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R627	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R628	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R635	ORH0000C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R649	ORH0000C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R650	ORH3300C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R651	ORH3300C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R652	ORH1003C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R653	ORH1003C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R654	ORH4701C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R660	ORH5601C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R661	ORH4701C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R662	ORH1001C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R669	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R670	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R671	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R672	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R675	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R676	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R677	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R678	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R680	ORH1001C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R681	ORH4701C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R682	ORH1002C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R6A1	ORH6800C622	2005-01-08	RESISTOR,METAL GLAZE	R	SH
R6A2	ORH1003C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R6A3	ORH6800C622	2005-01-08	RESISTOR,METAL GLAZE	R	SH
R6A4	ORH2200C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R6A5	ORH2200C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R6A6	ORH1003C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R6A7	ORH1003C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R6W1	ORH1200C622	2004-11-26	RESISTOR,METAL GLAZE	R	SH
R6W2	ORH0752C422	2004-12-09	RESISTOR,METAL GLAZE	R	SH
R901	ORH5102C622	2004-10-25	RESISTOR,METAL GLAZE	R	SH
R902	ORH4701C622	2004-10-25	RESISTOR,METAL GLAZE	R	SH
R903	ORH4701C622	2004-10-25	RESISTOR,METAL GLAZE	R	SH
R904	ORH4701C622	2004-10-25	RESISTOR,METAL GLAZE	R	SH
R905	ORH4701C622	2004-10-25	RESISTOR,METAL GLAZE	R	SH
R906	ORH4701C622	2004-10-25	RESISTOR,METAL GLAZE	R	SH
R907	ORH0471C622	2004-10-25	RESISTOR,METAL GLAZE	R	SH

RC901	6712R1238HA	2004-10-29	REMOTE CONTROLLER RE	R	SH
SW901	6600R000028	2004-10-25	SWITCH,TACT	R	SH
SW901	6600R000039	2004-10-25	SWITCH,TACT	R	SH
SW902	6600R000028	2004-10-25	SWITCH,TACT	R	SH
SW902	6600R000039	2004-10-25	SWITCH,TACT	R	SH
SW903	6600R000028	2004-10-25	SWITCH,TACT	R	SH
SW903	6600R000039	2004-10-25	SWITCH,TACT	R	SH
SW904	6600R000028	2004-10-25	SWITCH,TACT	R	SH
SW904	6600R000039	2004-10-25	SWITCH,TACT	R	SH
T101	6170RNGW05N	2004-10-21	TRANSFORMER,SMPS[COI	R	SH
V101	656-004C	2004-10-21	VARISTOR,DRAWING	R	SH
X501	6202R-BL06C	2005-01-11	RESONATOR,CRYSTAL	R	SH
X501	6212AA2270F	2005-01-11	RESONATOR,CRYSTAL	R	SH
X501	6212AA2270G	2005-01-11	RESONATOR,CRYSTAL	R	SH
ZD151	0DZ132609AB	2004-10-21	DIODE,ZENERS	R	SH
ZD152	0DZ562609AA	2004-10-21	DIODE,ZENERS	R	SH